

Chapter

2

Report from Colleges

2.1 COLLEGE OF AGRICULTURAL MANAGEMENT AND RURAL DEVELOPMENT (COLAMRUD)



Prof. Mrs. Bolanle Akeredolu-Ale
Dean, COLAMRUD

Overview of the College

The College of Agricultural Management and Rural Development (COLAMRUD) was established to support in the training of students admitted for the Bachelor of Agriculture programmes being run by FUNAAB. The justify College as it is presently constituted comprises of four Departments namely; Agricultural Administration, Agricultural Economics and Farm Management, Agricultural Extension and Rural Development, and; Communication and General Studies which is saddled with the responsibility for teaching General Studies courses in Communication and General Studies which is saddled with the responsibility for teaching General Studies courses in the University.

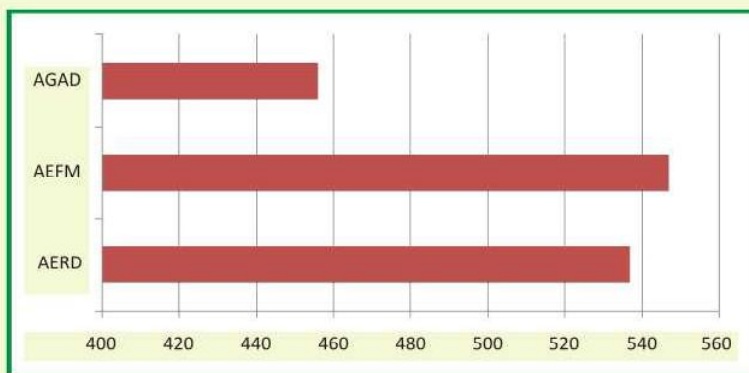


Fig.2.1: Undergraduate student enrolment for 2014/2015 Academic Session

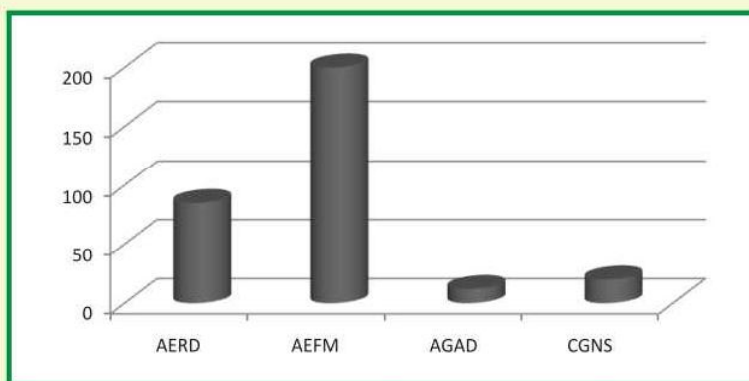


Fig.2 .2: Postgraduate student enrolment during the 2014/2015 Academic Session



2.1.1 SOME WEB-BASED RESEARCH PUBLICATIONS

AGRICULTURAL ADMINISTRATION

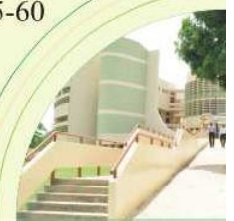
1. A. A Adebajo; K. K Bolarinwa, A. M Omotayo, (2015): Conflict Management and Farmers' Production Level in Oke-Ogun Area of Oyo State; British Journal of Applied Science & Technology, Vol. 5.2 pgs 189-197.
2. A. O Adekunmi, R. A Oyeyinka, O. J Yusuf (2015): Assessment of the use of Soil Improvement Management Practices among Arable Farmers in Egbedore Local Government Area, Osun State, Nigeria; American Journal of Experimental Agriculture Vol. 5.5 pgs 482-488.
3. A. A. Adewuyi, A. M. Shittu, O.E Fapojuwo, S. H. Sowemimo, (2014): Economics of Labour Use in Selected Food Crop Farming in Ogun State, Nigeria; Asian Journal of Agriculture and Rural Development Vol. 4.2, PP 177-187.
4. A. O. Fatunbi, M. T. Ajayi, A. Obi, G. O. Odularu, A. A. Adekunle (2015): Spreading the Gains of Agricultural Innovations in Africa: A Strategy to Scale-up and Scale-out the IAR4D Concept. Forum for Agricultural Research in Africa, Ghana

COMMUNICATION AND GENERAL STUDIES

1. Bosede Sinmisola Sotiloye, Helen Bodunde, Oluwakemi Olayemi (June, 2015): English language prepositions: An Albatross for English Language learners in Nigeria; International Journal of English and Literature, Vol. 6(6), pp. 103-108,
2. Mary Stella Chika Okolo (2015): Constraints and Possibilities in Creating a Sustainable Inclusive Society in Africa: A Philosophical Re-Imaging of Coetzee's Disgrace; OIDA International Journal of Sustainable Development, Vol. 8, No. 7, pp. 33-46.
3. Mary Stella Chika Okolo (2014): A Philosophical Reflection on Sustainable Politics in Africa: Constraints and Possibilities; IDA International Journal of Sustainable Development Open Access Journal (ISSN 1923 - 6654) Vol. 7, No. 4, pp. 63-78,
4. Fehintola Nike Onifade, Adeniyi Sowole, Taiwo Aderonke Idowu (2015): Assessment of Library Registration between Fresh and Returning Undergraduate Students of the Federal University of Agriculture, Abeokuta, Nigeria; Library Philosophy and Practice (E-journal)-1337 Libraries at University of Nebraska-Lincoln

AGRICULTURAL ECONOMICS AND FARM MANAGEMENT

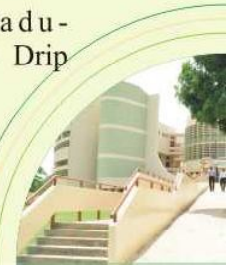
1. A. Adewuyi, A. M. Shittu, O.E Fapojuwo, S. H. Sowemimo, (2014): Economics of Labour Use in Selected Food Crop Farming in Ogun State, Nigeria; Asian Journal of Agriculture and Rural Development Vol. 4.2, pgs 177-187.
2. Dare, A. M., Ayinde, I. A. and Shittu, A. M. (2015): Urban Trees Forest Management in Abeokuta Metropolis, Ogun State, Nigeria: An Application of Contingent Valuation Method, Management of Environmental Quality: An International Journal, 26 (1). PP 72-83. Emerald Publishers, United Kingdom (UK). DOI: <http://dx.doi.org/10.1108/MEQ-06-2014-0094>
3. Ayinde, I. A., Kareem, R. O. and Lasisi, K. (2014): Economic Assessment of the Effect of the Nigerian Technology Incubation Programme on Agro-Allied Small and Medium Scale Enterprises. Nigerian Journal of Agricultural Economics. 4 (1). PP 80-92. Published by the Nigerian Association of Agricultural Economists.
4. C. P. Adekunle and A. M. Shittu (2014): Patterns and Determinants of Livelihood Diversification among Farm Households in Odeda Local Government Area, Ogun State, Nigeria., Journal of Agricultural Science and Environment
5. I. A. Ayinde, R. O. Aminu, S. B. Ibrahim (2015): Technical Efficiency of Maize Production In Ogun State, Nigeria, Journal of Development and Agricultural Economics Vol. 7(2), PP. 55-60



6. Idris Ayinde, Folasade Oluremi Aminu, Dare Akerele (2015): Economic Effect of Malaria on Artisanal Fish Production in a Coastal Area of Nigeria; *Agricultura Tropica et Subtropica*. Volume 48, Issue 1-2, PP 30-36, ISSN (Online) 1801-0571, DOI: 10.1515/ats-2015-0005
7. I. A. Ayinde, R. O. Kareem, and K. Lasisi. (2014): Economic Assessment of the Effect of the Nigerian Technology Incubation Programme on Agro-Allied Small and Medium Scale Enterprises. *Nigerian Journal of Agricultural Economics*. 4 (1). PP 80-92. Published by the Nigerian Association of Agricultural Economists.
8. J.O. Iyanda, C.A Afolami, A.E. Obayelu, O.J. Ladebo (2014).: Social Capital and Access to Credit among Cassava Farming Households in Ogun State, Nigeria; *Journal of Agriculture and Environmental Sciences*: Vol. 3, No. 2, pp. 175-196 ISSN: 2334-2404 Published by American Research Institute for Policy Development
9. Ignatius Olusoji Vaughan, Carolyn Afolake Afolami, Tolulope Olayemi Oyekale, Adedayo Oladipo Ayegbokiki (2014): An Analysis of Nigeria Food Imports and Bills. *International Journal of Economics, Commerce and Management United Kingdom* Vol. II, Issue 9.
10. F. O. Aminu and I. A Ayinde. (2014): "Effect of Disease burden on Catch Efficiency among Small Scale Fisher folks Households in Lagos State, Nigeria". *Tropical Agriculture*. 91 (1). Page 37 *Journal of the Faculty of Food and Agriculture, The University of the West Indies, Trinidad and Tobago*.
11. F. O. Aminu, I. A Ayinde, and C. A. Afolami (2014): "Technical Efficiency of Artisanal Fish Production in Lower Ogun River Basin Areas of Lagos State, Nigeria". *Journal of Applied Agricultural Research*. 6 (2). PP 6-15. Agricultural Research Council of Nigeria, Wuse, Abuja, Nigeria.

AGRICULTURAL EXTENSION AND RURAL DEVELOPMENT

1. O. A. Lawal-Adebawale and A. K. Aromolaran (2015): Indices of Land Degradation and Control Measures in Selected Urban Communities of Abeokuta, Ogun State, Nigeria; *International Journal of Social Ecology and Sustainable Development (IJSESD)* 6(4), pages: 66
2. O.W. Oyediran, T. D. Dick, O.E. Owolade (2015): Contributions of Growth Enhancement Support Scheme (GESS) Programme to Food Security and Poverty Alleviation of Agricultural Cooperatives in Ogun State, Nigeria. *Journal of Educational Policy and Entrepreneurial Research (JEPER)* ISSN: 2408-770X (Print), ISSN: 2408-6231 (Online) Vol. 2, NO.6. Pp 13-22
3. Oluwayemisi Abatan, Adebayo Olusoji Oni, Kolawole Adebayo, Shamusideen Iposu, Olusiji Sunday Sowande, Chryss Friday Ijeoma Onwuka (2015): Effects of Supplementing Cassava Peels with Cassava Leaves and Cowpea Haulms on the Performance, Intakes, Digestibility and Nitrogen Utilization of West African Dwarf Goats; *Tropical Animal Health and Production*, Volume 47, Issue 1, pp 123-129
4. O. O. Adeleke-Bello and O.R. Ashimolowo (2015): Beneficiaries' perception of selected rural women empowerment projects in Ogun State, Nigeria. *African Journal of Agricultural Research*, Vol. 10(44), pp 4108-4116, 2015.
5. P.B. Abdulsalam-Saghir, Ben Bennett, W. Quaye, Viet Phu Tu, L.O. Sanni and A.M. Martin (2015): Gender Analysis of Households' Decision-Making to Reduce Post-Harvest Losses of Cassava in Ghana, Nigeria, and Vietnam, Volume 5, Issue 1-2, DOI: 10.3362/2046-1887.2015.014
6. W.O. Oyediran, (2015): Assessment of Veterinary Inspection Practices on Quality of Beef Produced in Ibarapa Central Local Government Area, *International Journal of Veterinary Sciences Research*, 1(2): 36-45
7. A. Sobowale, A.M. Omotayo, J.O. Olobashola, P. Abdulsalaam-sagir, K. Elemo, B. Badu-Apraku, M. Oladapo, L. Omonayajo (2015): Low Cost Constant - Head Drip

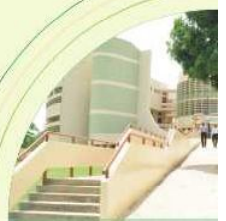


- Irrigation Emitter for Climate Change Adaptation in Nigeria: Engineering Design and Calibration, Nigerian Journal of Technology, Vol. 34, No 4
8. A. Sobowale, M. N. Tijani, A. E. Obayelu, A. S. Olatunji, T. Shah, R. T. Poozhiyil, P. Pavelic (2014): Livelihood Analysis of Smallholder Irrigation Farmers in Nigeria, Journal of Agricultural Science and Environment, Vol. 14: PP. 1-17
 9. A. O. Esenwa, E. Fabusoro, M. Agbonlahor, J. M. Awotunde, C. I. Alarima (2014): Contribution Of Formal Financial Institutions To Cassava Processing In Benue State, Nigeria; Journal of Agricultural Science and Environment, Vol 14, No 1

2.1.2 Trainings and Workshops

- a. The College organised the 4th COLAMRUD Lecture Series titled "Facilitation Skills: Panacea for Successful Meetings, Workshops and Adult Training" which was delivered by Professor M. T. Ajayi of the Department of Agricultural Administration.
- b. The Department of Agricultural Extension and Rural Development organised the second edition of its Valedictory Service for Graduating Students in the Department, while the Departments of Agricultural Economics and Farm Management and Agricultural Administration organised their maiden edition of the valedictory service for their graduating students.

The College of Agricultural Management and Rural Development is striving to ensure that lectures, trainings and research are conducted in line with international best practices with a view to assisting the University attain its corporate goals.



2.2 COLLEGE OF ANIMAL SCIENCE AND LIVESTOCK PRODUCTION (COLANIM)



Prof. C. O. N Ikeobi
Dean, COLANIM

Overview of the College

The College of Animal Science and Livestock Production was created in 1988 out of the School of Technology of the old College of Science and Technology, Abeokuta and currently contributes to the B. Agric. programmes through its five academic Departments listed in Table 2.1. To date, the College has the highest assemblage of Registered Animal Scientists in the Nigerian University System and is recognised by the Nigerian Institute of Animal Science (NIAS) as a Centre of Excellence in Animal Breeding and Genetics. Major activities of the Departments within the College include:

teaching of full time students at undergraduate (100-FNG) and postgraduate (PGD, M. Agric. and Ph.D.) levels, teaching of Part-Time undergraduate students (100-600) level, research (individual and joint with local and foreign researchers/collaborators) and extension services.

Table 2.1: Departments in the College of Animal Science and Livestock Production

Name of Department	Acronym
Animal Breeding and Genetics	ABG
Animal Nutrition	ANN
Animal Physiology	ANP
Animal Production and Health	APH
Pasture and Range Management	PRM

2.2.1 Undergraduate Enrolment

The undergraduate enrolment for the College is hereby presented below:

Table 2.2: 2014/2015 Undergraduate Students' Enrolment

Level	ABG	ANN	ANP	APH	PRM
100	80	79	71	89	71
200	95	106	90	96	92
300	113	107	109	123	103
400	83	107	109	110	94
500	113	127	111	144	110
Total	484	526	490	562	470



The College has the highest concentration of registered Animal Scientist in the Nigerian University System and is recognised by the Nigerian Institute of Animal Science (NIAS) as a Centre of Excellence in Animal Breeding and Genetics. The College has continued to achieve giant strides in areas of cutting edge research and excellent course delivery to students.



Visit of 7 man Committee from Nigeria Institute of Animal Science (NIAS)- 26, Nov. 2015

2.2.2 Research Focus of the College

The focus of the College are animal production, management, breeding, genetics, biotechnology applied to animal science, animal nutrition, feed utilization, feed analysis, ration formulation, forage science, pasture agronomy, pasture production and management, animal behaviour, environmental physiology, endocrinology and lactation physiology.

2.2.3 Research Focus of the Department

Effective breeding programmes of the major livestock species are currently going on in the Department of Animal Breeding and Genetics, which is presently being supported by the Bill and Melinda Gates Program for Emerging Agricultural Research Leaders (PEARL) awards for evaluation, characterization and development of prolific local chicken germplasm for growth and egg production under semi-scavenging rural production. Molecular screening and genotyping of livestock species for characterization and development of consensus dendrogram for all these major livestock species are also in progress. The Department of Animal Nutrition research focus has been in the areas of utilization of organic and inorganic copper by non-ruminant and ruminant animals, alternative feed utilization in poultry, mineral nutrition in ruminant and monogastric animals, manipulation of rumen environment for efficient productive performance in ruminants and utilization of alternative/unconventional feed resource in ruminant nutrition among others. Research efforts in the Department of Pasture and Range Management are geared towards forage science, pasture agronomy, pasture production and management. Department of Animal Production and Health emphasizes animal production, management, products qualities and meat processing. Department of Animal Physiology research focuses are into animal behaviour, environmental physiology, endocrinology and lactation physiology.

2.2.4 Grants, Awards, Promotions and Appointments

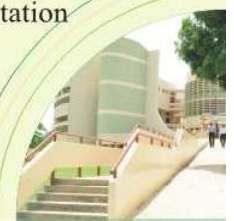
1. Prof. C.O.N. Ikeobi was made Fellow, College of Animal Scientists of Nigeria (FCASN) in September, 2015.
2. Dr. M. Wheto concluded 3 months (October 2015-January 2016) Visiting Scholar's training



- (2015): Genotype Effect on Distribution Pattern of Maternally Derived Antibody Against Newcastle Disease in Nigerian Local Chickens. *Tropical Animal Health and Production*, Volume 47, Issue 2, pp 391-394
4. Gbolabo O. Onasanya, Florence O. Oke, Timothy M. Sanni, Aliyu I. Muhammad (2015): Parameters Influencing Haematological, Serum and Bio-Chemical References in Livestock Animals under Different Management Systems; *Open Journal of Veterinary Medicine*, Vol.5 No.8,
 5. L.T Egbeyale, S.S Abiola, O.M Sogunle, M.O Ozoje (2015).: Post-hatching Growth Potential of Dominant Black and Yaffa Brown Pullet Chicks from Different Egg Weights; *Archivos de Zootecnia*,64(248): 347-353.

ANIMAL NUTRITION

1. C.P. Njoku, O.A. Adeyemi, B.J Sanya, S.O Akinola and O.O.Oluwatosin (2015): Physiological Response of Growing Pigs to Qualitative and Quantitative Feed Restriction in a Humid Tropical Environment; *Malaysian Journal of Animal Sci.* 18(2): 125-140
2. O.S. Akinola, A.O. Onakomaiyaa, J.A. Agunbiade, A.O. Oso (2015): Growth Performance, Apparent Nutrient Digestibility, Intestinal Morphology and Carcass Traits of Broiler Chickens Fed Dry, Wet and Fermented-Wet Feed; *Livestock Science* Vol. 177, Pages 103-109.
3. L.A. Omoniyi, K.A.Jewell, O.A.Isah, A.P. Neumann, Onwuka, C.F.I., O.M. Onagbesan and G. Suen (2014), An Analysis of the Ruminant Bacterial Microbiota in West African Dwarf Sheep Fed Grass- and Tree-Based Diets; *Journal of Applied Microbiology*, 116: 1094-1105. doi:10.1111/jam.12450
4. Oluwayemisi Abatan, Adebayo Olusoji Oni , Kolawole Adebayo, Shamusideen Iposu, Olusiji Sunday Sowande, Chryss Friday Ijeoma Onwuka (2015): Effects of Supplementing Cassava Peels with Cassava Leaves and Cowpea Haulms on the Performance, Intake, Digestibility and Nitrogen Utilization of West African Dwarf Goats; *Tropical Animal Health and Production*, Volume 47, Issue 1, pp 123-129
5. A. O. Oso, A. O. Fafiolu, M. A. Adeleke, O. A. Ladokun, R. A. Sobayo, A. V. Jegede, S. O. Peters, O. A. Oyebamiji and J. Akinsola(2014): Effect of Dosage and Application Mode of L-Carnitine on Plasma Lipid and Egg-Yolk Cholesterol of Turkeys, Hatchability of Eggs and Post-Hatch Growth of their Offsprings. *Journal of Animal Physiology and Animal Nutrition*. Volume 98, Issue 4, PP 766-774,
6. Olubukola Ajike Isah, Sunday Adewale Okunade, Ronke Yemisi Aderinboye, Olurotimi Ayobami Olafadehan (2015): Effect of Browse Plant Foliage Supplementation on the Performance of Buckling Goats Fed Threshed Sorghum Top Basal Diet. *Tropical Animal Health and Production*, Volume 47, Issue 6, pp 1027-1032
7. V.O.A., Ojo, A.O., Ogunsakin, P.A., Dele, O.O., Adelusi, J.A., Olanite, S.A., Adeoye, T.A. Amole, and O.S., Onifade (2015): Yield and Chemical Composition of Pennisetum Hybrid Fertilized with Animal Manures and Harvested at Different Times. *Malaysian Journal of Animal Sci.* 18(2): 65-80
8. A.O. Oni, O.S. Sowande,; O.O. Oni,; R.Y. Aderinboye, P.A. Dele, Ojo, V.O. A O.M. Arigbede, and C.F.I Onwuka (2014): Effect of Additives on Fermentation of Cassava Leaf Silage and Ruminant Fluid of West African Dwarf Goats; *Archivos de Zootecnia*, ISSN 0004-0592 63 (243): 449-459.,
9. Guoli Jianga, Lili Lia, , Juexin Fana, b, Bin Zhangb, A.O. Oso, Chaowu Xiaod, Yulong Yina, (2015): Dietary Soy Isoflavones Differentially Regulate Expression of the Lipid-Metabolic Genes in Different White Adipose Tissues of the Female Bama Mini-Pigs. *Biochemical and Biophysical Research Communications*, Volume 461, Issue 1, 22, PP 159-164
10. A.O. Lala, A.O. Oso, A.M Ajao, O.M. Idowu, O.O. Oni, (2015): Effect of Supplementation



- at the Cornell University, Ithaca, USA
3. Dr. (Mrs.) O. A. Isah attended an International training course on Livestock and Climatic Change at the University of Pretoria, South Africa from September 21 to October 3, 2014.
 4. Dr. A.O. Oso was awarded a six-month study leave as Visiting Scholar at the Institute of Subtropical Agriculture, Chinese Academy of Science, Mapoling, Changsha Hunan Province, China, between April and September, 2014.
 5. Dr. (Mrs.) R. Y. Aderinboye was awarded African Women in Agricultural Research and Development (AWARD) in 2014.
 6. Professor C. F. I. Onwuka was re-elected the President, Nigerian Society for Animal Production, 2014.
 7. The College through the University bided for and won the hosting right for the 41st Animal Conference of the Nigerian Society for Animal Production (NSAP).

2.2.5 Linkages and Partnership

The Departments in the College had partnership with the following Institutions/organizations:

1. Bill and Melinda Gates Program for Emerging Agricultural Research Leaders (PEARL) awards for Evaluation, Characterization and Development of high-producing local chicken germplasm for growth and egg production under semi-scavenging rural production.
2. Development of special projects by academic staff for grants support/assistance from IFSERAR and TETFUND Units of the University. Many of the research proposals have been adjudged to be of high quality and are awaiting financial support for execution.
3. National Agency for Food, Drug Administration and Control
4. NOVUS international and Norgein Nig. Ltd both feed additive manufacturers
5. Livestock Feeds Limited
6. Biochem incorporated Germany

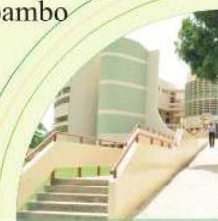
2.2.6 Workshop, Conferences and Training Hosted by the College

The College of Animal Science and Livestock Production, Federal University of Agriculture, Abeokuta, Nigeria organized and hosted the 41st Annual Conference of the Nigerian Society for Animal Production (NSAP) with the theme: New Technologies for Enhanced Animal Production in Nigeria. This annual conference was well attended by Animal Scientists and other stakeholders both within and outside Nigeria and was adjudged to be the very best compared to previous conferences.

2.2.7 SOME WEB-BASED RESEARCH PUBLICATIONS

ANIMAL BREEDING AND GENETICS

1. O. Oso, A. O. Fafiolu, M. A. Adeleke, O. A. Ladokun, R. A. Sobayo, A. V. Jegede, S. O. Peters, O. A. Oyebamiji and J. Akinsola (2014): Effect of Dosage and Application Mode of L-Carnitine on Plasma Lipid and Egg-Yolk Cholesterol of Turkeys, Hatchability of Eggs and Post-Hatch Growth of their Offsprings. *Journal of Animal Physiology and Animal Nutrition* Volume 98, Issue 4, pages 766-774, August 2014
2. Murital, I.; Afolayan, O.; Bemji, M.N.; Dadi, O.; Landi, V.; Martínez, A.; Delgado, J.V.; Adebambo, O.A.; Aina, A.B.J. and Adebambo, A.O, (2015): Genetic Diversity and Population Structure of Nigerian Indigenous Goat using DNA Microsatellite Markers; *Archivos de Zootecnia* 64(246): 93-98,
3. Matthew Adekunle Adeleke, Sunday Olusola Peters, Dare Tunde Ogunmodede, Oluwole Oyetunde Oni, Olusola Lawrence Ajayi, Mathew Wheto, Olufunmilayo Ayoka Adebambo

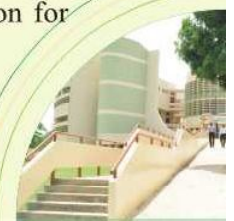


with Molecular or Nano-Clay Adsorbent on Growth Performance and Haematological Indices of Starter and Grower Turkeys Fed Diets Contaminated With Varying Dosages of Aflatoxin B1. *Livestock Science*. Volume 178, PP209-215

11. R O, Olaifa, O M, Sogunle, O S. Akinola, O. A Adeyemi and R. A Sobayo(2015): Performance and Bone Morphometry of Two Breeds of Finishing Broiler Chickens Reared on Different Housing Systems; *Bulletin of Animal Health and Production in Africa*, Volume 63 No 1.
12. A. O Oni, O. S Sowande, O.O Oni (2014): Efecto De Aditivos Sobre La Fermentación De Ensilaje De Hojas De Yuca Y El Fluido Ruminal En Cabras Enanas De África Occidental; *Archivos de Zootecnia*. Vol.63 No.243
13. M. A Abaire, RA Sobayo, A. O Oso, A. O Oni, (2014): Performance of weaner rabbits fed a concentrate diet supplemented with pawpaw leaves. *Tropical Animal Health and Production*, Volume 47, Issue 2, pp 323-329

ANIMAL PHYSIOLOGY

1. Omoniyi, L.A., Jewell, K.A., Isah, O.A., Neumann, A.P., Onwuka, C.F.I., Onagbesan, O.M. and Suen, G. (2014), An Analysis of the Ruminant Bacterial Microbiota in West African Dwarf Sheep Fed Grass and Tree-Based Diets. *Journal of Applied Microbiology*, 116: 1094-1105. doi:10.1111/jam.12450
2. A. O. Oso, A. O. Fafolu, M. A. Adeleke, O. A. Ladokun, R. A. Sobayo, A. V. Jegede, S. O. Peters, O. A. Oyebamiji and J. Akinsola, (2014): Effect of Dosage and Application Mode of L-Carnitine on Plasma Lipid and Egg-Yolk Cholesterol of Turkeys, Hatchability of Eggs and Post-Hatch Growth of their Offsprings; *Journal of Animal Physiology and Animal Nutrition* Volume 98, Issue 4, PP 766-774.
3. O. O. Olukomaiya, O. A. Adeyemi, O. M. Sogunle, M. O. Abioja and I. A. Ogunsola, (2015): Effect of Feed Restriction and Ascorbic Acid Supplementation on Growth Performance, Rectal Temperature and Respiratory Rate of Broiler Chicken. *The Journal of Animal & Plant Sciences*, 25(1): PP:65-71
4. J. O Daramola and E. O Adekunle, (2015): Preservative Effects of Pineapple and Cucumber Juices on Viability of Refrigerated Spermatozoa of West African Dwarf Bucks; *Pertanika Journal of Tropical Agricultural Science*, Vol. 38 Issue 3, p347-359.
5. J.O. Daramola, and Adekunle, E.O (2015): Cryosurvival of Goat Spermatozoa in Tris-Egg Yolk Extender Supplemented with Vitamin C. *Archivos de Zootecnia*. 64 (247): 261-268.
6. O. E. Oke, L. O. Obanla, O. F. Oke, S. S. Abiola, O. M. Sogunle, O. Ladokun, A. E. Adeyigbe, T. O. Adebawale and J. A. Adegbite (2014): Effects of Substitution of Fat with Melon Seed Meal on Quality Characteristics of Pork Sausages. *Journal of Agricultural Science and Environment*, Vol 14, No 1
7. M.O Abioja, O.A. Osinowo, J.A. Abiona, O.G. Sodipe (2014): Water Balance and Some Blood Parameters in Water-Restricted Goats During Hot-Dry Season. *Slovak J. Anim. Sci.*, 47, (3): 149-156
8. O.M. Onagbesan, T.J. Williams, M.O. Abioja, (2014): Utilización de Nutrientes Durante la Incubación Y Crecimiento Juvenil de Pollos Indígenas Y Exóticos En Nigeria, *Archivos de Zootecnia*, Vol.63 no.242 2014
9. O. E. Oke, A. O. Ladokun and O. M. Onagbesan, (2015): Reproductive Performance of Layer Chickens Reared on Deep Litter System with or without Access to Grass or Legume Pasture. *Journal of Animal Physiology and Animal Nutrition*. Volume 100, Issue 2,
10. J. O. Popoola, B.R. Aremu, F. Daramola, A. S. Ejoh and A. E. Adegbite, (2015): Morphometric Analysis of some Species in the Genus *Vigna* (L.) Walp: Implication for



- Utilization for Genetic Improvement. Journal of Biological Sciences, 15 (4). pp. 156-166, ISSN 1727-3048
11. J.O. Daramola, E.O. Adekunle, (2015): Cryosurvival of Goat Spermatozoa in Tris-Egg Yolk Extender Supplemented with Vitamin C, Arch. Zootec. 64 (247): 261-268. 2015.
 12. J.O. Daramola and D. Adekunle, (2015): Supervivencia de Espermatozoides de Cabra Criocconservados en Diluyente A Base de Yema de Huevo-Tris Suplementado Con Vitamina C, Archivos de Zootecnia
 13. Fisayo Daramola, Stephen Afolami, Ololade Enikuomihin, Conrad A. Omonhinmin and H. A Adebayo (2015): Nematicidal Effects of Carbofuran and GC-MS Analysis of its Residue in Pineapple Fruits; International Journal of Agriculture & Biology, 2 (17). pp. 357-362. ISSN 1814-9596
 14. T.J. Williams, M.O. Abioja, J.O. Daramola, (2014): Utilización de Nutrientes Durante la Incubación Y Crecimiento Juvenil de Pollos Indígenas Y Exóticos en Nigeria; Archivos de Zootecnia, Vol.63 no.242
 15. J. O Daramola and E. O Adekunle, (2015): Preservative Effects of Pineapple and Cucumber Juices on Viability of Refrigerated Spermatozoa of West African Dwarf Bucks. Pertanika Journal of Tropical Agricultural Science, Vol. 38 Issue 3, pp. 347-359.

ANIMAL PRODUCTION AND HEALTH

1. O.S. Akinola, A.O. Onakomaiya, J.A. Agunbiade, A.O. Oso (2015): Growth Performance, Apparent Nutrient Digestibility, Intestinal Morphology and Carcass Traits of Broiler Chickens Fed Dry, Wet and Fermented-Wet Feed. Livestock Science Volume 177, July 2015, pp. 103-109
2. Obanla, L.O.; Oke, O.E.; Onagbesan, O.M.; Williams, T.J.; Abioja, M.O.; Daramola, J.O. and Abiona, J.A., (2014): Nutrient Utilization During Incubation and Juvenile Growth of Indigenous and Exotic Chicken in Nigeria Archivos de Zootecnia, Vol. 63, No 242, 2014, pp. 251-258.
3. O. E. Oke, L. O. Obanla, O. F. Oke, S. S. Abiola, O. M. Sogunle, O. Ladokun, A. E. Adeyigbe, T. O. Adebawale and J. A. Adegbite (2014): Effects Of Substitution Of Fat With Melon Seed Meal On Quality Characteristics Of Pork Sausages. Journal of Agricultural Science and Environment, Vol 14, No 1
4. Oladapo A. Fasae and Ogunkun T. Olusesan (2015): Quality Assessment of Fresh Milk from Traditionally Managed Nigerian Bunaji and Bokolooji Breeds of Cattle. The Pacific Journal of Science and Technology, Volume 16. Number 1.
5. A. A. Ayoola, L. T Egbeyale, O. M. Sogunle, D. A Ekunseitan and A. A Adeyemi, (2015): Effects Of Age And Sex On Haematological And Serum Biochemistry In Japanese Quails Bulletin of Animal Health Prod. in Africa 63, 43-21, 2015
6. Oluwayemisi Abatan, Adebayo Olusoji Oni , Kolawole Adebayo, Shamusideen Iposu, Olusiji Sunday Sowande, Chryss Friday Ijeoma Onwuka (2015): Effects Of Supplementing Cassava Peels with Cassava Leaves and Cowpea Haulms on the Performance, Intake, Digestibility and Nitrogen Utilization of West African Dwarf Goats. Tropical Animal Health and Production, Volume 47, Issue 1, pp. 123-129
7. Oke, O.E.; Obanla, L.O. and Onagbesan, O.M., (2014): Dry Season Juvenile Growth And Physiological Parameters in Exotic and Nigerian Indigenous Chicken Crecimiento Juvenil Y Parámetros Fisiológicos En Pollos Exóticos Y Nigerianos Durante La Estación Seca Archivos De Zootecnia, Vol. 63, N° 242, pp. 327-335 2014
8. O.O Olukomaiya., O.A. Adeyemi, O. M.Sogunle, M. O.Abioja and I.A.Ogunsola (2015): Effect of Feed Restriction and Ascorbic Acid Supplementation on Growth Performance,



- Rectal Temperature and Respiratory Rate of Broiler Chicken. The Journal of Animal & Plant Sciences, 25(1), pp.: 65-71
9. Oni, A.O.; Sowande, O.S.; Oni, O.O.; Aderinboye, R.Y.; Dele, P.A.; Ojo, V.O. A.; Arigbede, O.M. and Onwuka, C.F.I.(2014):. Effect of Additives on Fermentation of Cassava Leaf Silage and Ruminal Fluid of West African Dwarf Goats; Archivos de Zootecnia, ISSN 0004-0592, Vol. 63, N° 243 , pp. 449-459
 10. R O Olaifa, O M Sogunle, O S Akinola, O. A. Adeyemi and RA Sobayo (2015): Performance and Bone Morphometry of Two Breeds of Finishing Broiler Chickens Reared on Different Housing Systems. Bulletin Animal Health Production in Africa, 63, 109-117 2015
 11. D. A.Ekunseitan, A. O Yusuf, O. E.Odesanmi, M. A. Ogun, T. O.Bawala, and B. T Akinyemi (2015): Assessing the Nutritive Value of Waterweeds to Livestock Production via In Vitro. Nigerian Journal of Animal Production Vol. 42 No.1.
 12. I. Muritala; O. Afolayan, M.N Bemji, O. Dadi,.; V. Landi,.; A .Martínez,.;J. V Delgado, O. A. Adebambo, A.B.J Aina,. and A.O. Adebambo (2015): Genetic Diversity and Population Structure of Nigerian Indigenous Goat Using DNA Microsatellite Markers; Arch. Zootec. 64(246): 93-98, 2015.
 13. L.T. Egbeyale, S.S. Abiola, O.M. Sogunle, and M.O.Ozoje (2015): Post-Hatching Growth Potential of Dominant Black and Yaffa Brown Pullet Chicks from Different Egg Weights; Arch. Zootec. 64(248): 347-353, 2015.
 14. O.A. Adeyemi, C.P. Njoku, O.M. Odunbaku, O.M. Sogunle, L.T. Egbeyale (2015): Response of Broiler Chickens to Quantitative Feed Restriction with or without Ascorbic Acid Supplementation. Iranian Journal of Applied Animal Science Volume 5, Issue 2, pp. 393-401
 15. C.P Njoku, O.A Adeyemi, B.J.Sanya, S.O Akinola, and O.O Oluwatosin,.(2015): Physiological Response of Growing Pigs to Qualitative and Quantitative Feed Restriction in a Humid Tropical Enviroment; Malaysian Journal of Animal Sci. 18(2): 125-140

PASTURE AND RANGE MANAGEMENT

1. V.O.A Ojo, A.O Ogunsakin, P.A. Dele, O.O Adelusi, J.A.Olanite, S.A Adeoye, T.A. Amole, and O.S. Onifade, (2015): Yield and Chemical Composition of Pennisetum Hybrid Fertilized with Animal Manures and Harvested at Different Times Malaysian Journal of Animal Sci. 18(2): 65-80
2. Oni, A.O.; Sowande, O.S.; Oni, O.O.; Aderinboye, R.Y.; Dele, P.A.; Ojo, V.O. A.; Arigbede, O.M. and Onwuka, C.F.I.(2014): Effect of additives on fermentation of cassava leaf silage and ruminal fluid of west african dwarf goats, Arch. Zootec. 63 (243): 449-459
3. D. A.Ekunseitan, A. O Yusuf, O. E.Odesanmi, M. A. Ogun, T. O.Bawala, and B. T Akinyemi (2015): Assessing the Nutritive Value of Waterweeds to Livestock Production via In Vitro, Nigerian Journal of Animal Production Vol. 42 No.1.
4. T. A. Adeyemi, P. A Dele, O. P Olusina, B. T Akinyemi, O. T Sangodele, and E. D Oyebanjo, (2015): Chemical Composition of F Pennisetum Silage As Affected By Manure Type and Ensiling Duration.
5. A.O. Oni, O.S Sowande, O.O. Oni, R.Y Aderinboye, P.A.Dele, V.O. A Ojo, O.M.Arigbede, and C.F.I Onwuka (2014): Efecto De Aditivos Sobre La Fermentación De Ensilaje De Hojas De Yuca Y El Fluido Ruminal En Cabras Enanas De África Occidental, Arch. Zootec. vol.63 no.243



2.3 COLLEGE OF ENGINEERING (COLENG)



Engr. Prof. J.K Adewumi
Dean, COLENG

Overview of the College

Presently, the College is running operational programme at both undergraduate and postgraduate levels under the following Departments; Agricultural Engineering, Civil Engineering, Electrical/Electronics Engineering, Mechanical Engineering and Mechatronics Engineering. The College activities had been geared towards achieving the mandates of the College and that of the University which are training engineers to solve agricultural problems in the area of technology, self- sufficiency in food production, skills development, design of simple and complex structures, artificial intelligence and inculcation of entrepreneurial culture into our engineering graduates.

Recently, under the leadership of the Dean and the Civil Engineering Department in collaboration with other technical staffs in the College has repaired the ceremonial road and are still being challenged to rehabilitate FUNAAB gate to Camp road junction.

2.3.1 Undergraduate Enrolment

The undergraduate enrolment for the College is hereby presented below:

Table 2.3: 2014/2015 Undergraduate Students' Enrolment

Level	AGE	CVE	ELE	MCE	MTE
100	33	34	34	35	30
200	48	41	40	42	0
300	44	45	42	51	0
400	39	35	50	42	0
500	38	40	34	36	0
Total	202	195	200	206	30

2.3.2 SOME WEB-BASED RESEARCH PUBLICATIONS

MECHANICAL ENGINEERING

1. M. A.Waheed, A. O Oni, S. B Adejuyigbe, B.A.Adewumi, (2014): Thermo-economic and environmental assessment of a crude oil distillation unit of a Nigerian refinery. *Applied Thermal Engineering*, vol. 66, 191-205. URL <http://dx.doi.org/10.1016/j.applthermaleng.2014.02.007>
2. S.O.Ismaila, O.G. Akanbi and C.N. Ngassa (2014): Models for estimating the anthropometric dimensions using standing height for furniture design. *Journal of Engineering, Design and Technology*, 12 (3); 336-347, Published by Emerald Group Publishing Limited, U.K.
3. B.O Bolaji, I.O. Abiala, S.O. Ismaila and F.O. Borokinni (2014): A Theoretical Comparison of Two Eco-Friendly Refrigerants as Alternatives to R22 Using a Simple Vapour Compression Refrigeration System. *Transactions of FAMENA*, 38 (3); 59-70,



- Published by Faculty of Mechanical Engineering and Naval Architecture, University of Zagreb, Croatia.
4. A. A. Adekunle, S. B. Adejuyigbe, O.S. Ismaila, A. T. Akinwale and O.R. Oyetunji (2014): Development of Expert System for Material and Welding rod Selection in Robotic Welding. IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE), 11 (4) version VIII; 35-42, Published by International Organization of Scientific Research, USA.
 5. S. O. Ismaila and A. Odusote (2014): Noise exposure as a factor in the increase of blood pressure of workers in a sack manufacturing industry. Beni-Suef Journal of Basic and Applied Sciences, 3 (2); 116-121, Published by Elsevier B. V.
 6. S. O. Ismaila and T. M. Samuel (2014): Human-centered engineering: the challenges of Nigerian engineer. Journal of Engineering, Design and Technology, 12 (2); 195-208, Published by Emerald Group Publishing Limited, U. K.
 7. O.R. Adetunji, P. O. Aiyedun, S.I. Kuye and Lateef, D.A. (2014): Evaluation of the Influence of Fossil Fuel on Corrosion Resistance of Brass. Journal of Minerals and Materials Characterisation and Engineering, Vol. 2, pp. 176-181. Published by Scientific Research Available on line at <http://www.SciRP.org/journal/jmmce>.
 8. M. A. Waheed, A. O. Oni, S. B. Adejuyigbe, B.A. Adewumi and D. A. Fadare (2014): Performance enhancement of vapour recompression heat pump. Journal of Applied Energy, vol. 114, 69 - 79. URL: <http://dx.doi.org/10.1016/j.apenergy.2013.09.024>
 9. A. O. Oni, and M. A. Waheed (2014): Methodology for the thermoeconomic and environmental assessment of crude oil distillation units. Accepted for publication by the International Journal of Exergy.
 10. D. O. Okuo, M. A. Waheed and B. O Bolaji (2014): Evaluation of Biogas Yield of Selected Ratios of Cattle, Swine and Poultry Wastes, Accepted for publication by International Journal of Green Energy.
 11. S. Oluwagbemiga Alayande, E. Olugbenga Dare, Titus A.M. Msagati, A. Kehinde Akinlabi, and P.O. Aiyedun (2015): Electrospun Expanded Polystyrene and Expanded Polysytrene-Zeolite Fibber with Superhydrophobic and Superoleophilic Surface Properties for Crude Oil-Water Separation. Journal of Physics and Chemistry of the Earth available online October 2015, doi 10.1016/j.pce.201510.002 Elsevier journal.
 12. P.O. Aiyedun, O.A.O. Ogunlade, A.O. Oni and O.R. Adetunji (2015): Friction Coefficient 's Numerical Determination for Hot Flat Steel Rolling at Low Strain Rate, American Journal of Applied Mathematics, 3(5): 221-228, doi;10.11648/j.ajam, <http://www.sciencepublishinggroup.com>.
 13. O.R. Adetunji, P.O. Aiyedun, and O.S. Bello (2015): Anticorrosive Property of Potassium Dichromate Film on Galvanized Coating in Distilled Water, Solid State Phenomena Journal, Vol. 227 pp. 135-138, Trans Tech Publications, Switzerland doi: 10.4028/www.Scientific.net/SSP.227.135
 14. O.R. Adetunji, O.J. Akinyemi, S.I. Kuye and E.O. Dare (2016): Corrosion Performance of Aluminium Zinc Coated Steel in Tomato, Orange and Pineapple Juices. Accepted for publication in by Corrosion and Protection. www.ochronaprzedkoroza.pl
 15. O.R. Adetunji, A. A. Musa and S.A. Afolalu, (2015) Computational Modelling of Chromium Steel in High Temperature Applications. International Journal of Innovation and Applied Studies, Vol.12 No 4, pp 1015-1021. <http://www.ijias, issr-journals.org/>.
 16. O.R. Adetunji, A.O. Adegbola, and S.A. Afolalu, (2015): Comparative Study of Case-Hardening And Water-Quenching Of Mild Steel Rod On Its Mechanical Properties, International Journal of Advance Research, Vol.3 No. 6 June, 2015/pp. 1-9. <http://www.ijoar.org>.
 17. S.A. Afolalu, S.B. Adejuyigbe, O.R. Adetunji and O.I. Olusola (2015): Production of cutting tool from recycled steel and palm kernel shell as carbon additives, International Journal of



18. Innovation and Applied Studies, Vol.12 No.1, July, 2015, pp 110-122 <http://www.ijoar.org>.
19. Afolalu, S.A., Adejuyigbe, S.B. and O.R. Adetunji (2015): Impacts of Carburizing Temperature and Holding Time on Wear of High Speed Steel Cutting Tools, International Journal of Scientific and Engineering Research, Vol. 6 (5), pp 905-909, <http://www.ijser.org>.
20. S.A Afolalu, S.B Adejuyigbe, and O.R Adetunji and O.I Olusola. (2015) Effects of Carburization on Mechanical Properties of recycled steel with palm kernel shell as carbon additives, International Journal of Advance Research, Vol. 3 (5), pp 1-7, <http://www.ijoar.org>.
21. O.R. Adetunji, P.O Aiyedun, and O.S. Bello, (2015): Anticorrosive Property of Potassium Dichromate Film on Galvanized Coating in Distilled Water, Solid State Phenomena Journal, Vol. 227 pp 135-138, Trans Tech Publications, Switzerland doi: 10.4028/www.Scientific.net/SSP.227.135
22. M. A Waheed and A.O Oni (2015): Performance improvement of a crude oil distillation unit Applied Thermal Engineering, Volume 75, 22, PP315-324
23. O.A Oyelaran, B. O Bolaji and M. A Waheed (2015): Performance Evaluation of the Effect of Binder on Groundnut Shell Briquette KMUTNB Int J Appl Sci Technol, Vol.8, No.1, pp. 11-19,
24. SO Ismaila, O Aderele (2015): Determination of safe weight limit of sandcrete block for block moulders Industrial Engineering and Operations Management (IEOM), International Conference, Dubai on 3-5 Page(s):1-5 ISBN:978-1-4799-6064-4 DOI:10.1109/IEOM.2015.7093948
25. O.D. Samuel, M.A.Waheed, B.O.Bolaji, O.U.Dairo (2014): Synthesis of Biodiesel from Nigerian Waste Restaurant Cooking Oil: Effect of KOH Concentration on Yield, Global Journal of Science, Engineering and Technology, E - ISSN: 2322- 2441 Issue (15), pp. 1-8, (C) GJSET Publishing, 2014. <http://www.gjset.org>
26. Olatunde A. Oyelaran, Bukola O. Bolaji, Mufutau A. Waheed and Micheal F. Adekunle (Jul 2015): Performance Evaluation of the Effect of waste paper on Groundnut Shell Briquette. International Journal of Renewable Energy Development, 4,2, 95-101.
27. M.A.Waheed, O.D. Samuel and B.O.Bolaji (2014): Optimization of Nigerian Restaurant Waste Cooking Biodiesel Reaction Parameters using Response Surface Methodology. International Journal of Energy Optimization and Engineering (IJE OE) 3(4)PP. 33

AGRICULTURAL ENGINEERING

1. Johnson Kayode Adewumi, Adeyinka Sobowale, Gabriel Bayo Ogunniranye and Opeyemi Samuel Sajo (2014): Analysis of Soil Water Dynamics in a Tropical Rain Forest Soil (Ariniclaxisol), Abeokuta, Nigeria. Journal of Agricultural Science and Technology. A4.6A.
2. A. Sobowale, J. K. Adewumi and O. A. Bamgboye (2015): "Promoting Integrated Water Resources Management in West Nigeria: The need for collaboration Partnership". (2015): Nigerian Journal of Technology (NIJOTECH) Vol. 34 No. 2, pp. 414 - 420 ISSN: 1115-8443 <http://dx.doi.org/10.4314/njt.v34i2.5>
3. Johnson Kayode Adewumi, Adeyinka Sobowale, and Are Kolawole (:2015) "Influence of Water Harvesting Practices on Farmer's Productivity in Semi-Arid Areas of Nigeria". Journal of Agricultural Science and Technology 5 8-14 doi:10.17265/2161-6256/2015.01.002
4. M.N.Tijani, A.E.Obayelu, A.Sobowale (2014): Welfare analysis of smallholder farmers by irrigation systems and factors affecting their production outputs in Nigeria Sustainability of Water Quality and Ecology Volumes 3-4, PP90-100
5. A.I. Musa, S.O.Ismaila, M.A.Waheed (2015): An Approach of Exergy Analysis of Human Physiological Response in the Outdoor Conditions during Blocklaying in Ogun State, Nigeria British Journal of Applied Science & Technology Vol. 6.4, pages 408-416.



CIVIL ENGINEERING

1. A.P.Adewuyi, A.A.Otukoya and O.A.Olaniyi (2015): Comparative Studies of Steel, Bamboo and Rattan as Reinforcing Bars in Concrete: Tensile and Flexural Characteristics Open Journal of Civil Engineering 5, 228-238, Published Online in SciRes. <http://www.scirp.org/journal/ojce>
2. J.O.Akinyele, R.W.Salim and G.Oyeti (2014): Use of Recycled Polypropylene Grains as Partial Replacement of Fine Aggregate in Reinforced Concrete Beams. Engineering Structures and Technologies Volume 6, Issue 4.
3. J. R. Oluremi, A. P. Adewuyi and A. A. Sanni (2015): Compaction Characteristics of Oil Contaminated Residual Soil. Journal of Engineering and Technology, ISSN: 2180-3811 Vol. 6 No. 2
4. D. O. Omole, I.T. Tenebe, PraiseGod C Umoh, A.S Emenike and Badejo, A.A (2015): Causes, Impact and Management of Electronic Wastes: Case Study of Some Nigerian Communities. ARPN Journal of Engineering and Applied Sciences, 10 (18). 7876-7876-7884. ISSN 1819-6608
5. J. O Akinyele, O. T Olateju, O. K. Oikelome (2015): Rice Husk As Filler in the Production of Bricks Using Gboko Clay. Nigerian Journal of Technology, <http://dx.doi.org/10.4314/njt.v34i4.2>
6. A Adetiloye, M. E Ephraim (2015): Structural Engineering Properties of Fibre Reinforced Concrete Based On Recycled Glass Fibre Polymer (GFRP), Int. Journal of Engineering Research and Applications www.ijera.com ISSN : 2248-9622, Vol. 5, Issue 4, (Part -1) April 2015, pp.40-46
7. J.O. Akinyele, R. O. Hassan (2015): Partial Replacements of Fine Aggregate with Polypropylene Fibres in Reinforced Concrete Slabs. Acta Technica Corviniensis - Bulletin of Engineering 8.2 , 119-124.
8. J. O. Akinyele, R. W. Salim, K. O. Oikelome, O. T. Olateju (2015): The Use of Rice Husk Ash as a Stabilizing Agent in Lateritic Clay Soil. International Science Index, Civil and Environmental Engineering Vol:9, No:11
9. A.P.Adewuyi, S.O. Franklin, K.A. Ibrahim (2014): Utilization of Mollusc Shells for Concrete Production for Sustainable Environment. International Journal of Scientific & Engineering Research, Volume 6, Issue 9, September, ISSN 2229-5518 -2015 201

2.3.3 Linkages and Partnerships

In order to promote educational excellence, academic ties and international cooperation, during the period under review, the College opened up possibilities of collaboration programme with National Agency for Science and Engineering Infrastructure (NASeni) (final stage) in the area of equipment and software that can help to further develop the University to the category of world class status. Collaboration with St. Clouds State University Minnesota, United State is still on going. This is to explore the feasibility of establishing an educational and scientific exchange agreement..

2.3.4 Grants and Awards

Upon completion of the repair of Camp - Alabata road, repositioning and re-establishment of FUNAAB boundary from Isolu to Bode-Olude axis of FUNAAB and proffering solution to water problem in the University, the Dean and the College was recognised with a plaque during the Hero and Excellence Award day.



2.4 COLLEGE OF FOOD SCIENCE AND HUMAN ECOLOGY (COLFHEC)



Prof. L. O. Sanni
Dean, COLFHEC

Overview of the College

The College of Food Science and Human Ecology is waxing stronger day by day in our teaching, research and community engagements. Kudos to the leadership of the Department of Food Science and Technology (FST), Department of Home Science and Management (HSM), Department of Nutrition and Dietetics (NTD) and Department of Hospitality and Tourism (HTM). As a College, we have keyed into the University shared values of Excellence, Integrity, Global Relevance, Innovations and Service to Humanity. The following are our outreach for 2014/2015 Academic session: Fig. 23 Teaching Staff Enrolment

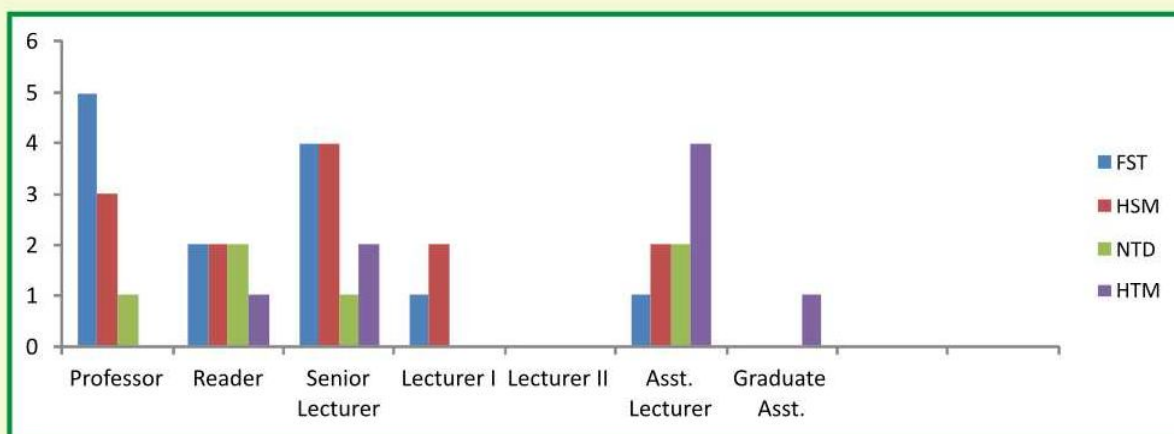


Fig. 23 Teaching Staff Enrolment

Table 2.4: 2015 Student Enrolment

Levels	Food Science and Technology (FST)	Home Science & Management (HSM)	Nutrition and Dietetics (NTD)	Hospitality and Tourism (HTM)
100	73	65	50	45
200	94	89	77	80
300	95	75	73	84
400	101	119	90	88
500	103	0	0	0
Total	466	348	290	297



2.4.1 SOME WEB-BASED RESEARCH PUBLICATIONS

FOOD SCIENCE AND TECHNOLOGY

1. S. A. O. Adeyeye, O.B. Oyewole, A.O. Obadina, A.M. Omemu, H.A. Oyedele, S.O. Adeogun (2015), A survey on traditional fish smoking in Lagos State, Nigeria African Journal of Food Science Vol. 9(2), pp. 59-64.
2. O. Ajayi, A. Obadina, M. Idowu, M. Adegunwa, O. Kajihausa, L. Sanni, Y. Asagbra, B. Ashiru and K. Tomlins, (2015), Effect of packaging materials on the chemical composition and microbiological quality of edible mushroom (*Pleurotus ostreatus*) grown on cassava peels and Food Science & Nutrition Volume 3, Issue 4, pp. 284-291.
3. I. O. Olotu, A. O. Obadina, O. P. Sobukola, M. Adegunwa, A. A. Adebowale, E. Kajihausa, L. O. Sanni, Y. Asagbra, B. Ashiru and Tomlins Keith (2015), Effect of chemical preservatives on shelf life of mushroom (*Pleurotus ostreatus*) cultivated on cassava peels, International Journal of Food Science & Technology Volume 50, Issue 6, pp. 1477-1483.
4. A. Obadina, H. Ashimolowo and I. Olotu, Quality changes in cocoyam flours during storage, Food Science & Nutrition
5. P.B. Abdulsalam-Saghir, Ben Bennett, W. Quaye, Viet Phu Tu, L.O. Sanni, L. Sanni, and A.M. Martin, Gender analysis of households' decision-making to reduce post-harvest losses of cassava in Ghana, Nigeria, and Vietnam, Food Chain, 5(1-2), 53-70.
6. O. O. Onabanjo, O. L. Balogun (2014), Anthropometric and Iron Status of Adolescents From Selected Secondary Schools in Ogun State, Nigeria: Infant, Child, & Adolescent Nutrition.
7. A. O. Oladejo, O.P. Sobukola, S. O. Awonorin, S. B. Adejuyigbe (2014), Evaluation and optimization of steam and lye peeling processes of sweet potato (*Ipomea batatas*) using response surface methodology (RSM) International Journal of Food Engineering 10.2: 329-338.
8. A. O. Obadina, B. O. Babatunde and I. Olotu (2014), Changes in nutritional composition, functional, and sensory properties of yam flour as a result of pre-soaking, Food science & nutrition 2.6: 676-681
9. O.C. Oginni, O.P. Sobukola, F.O. Henshaw, W.A.O. Afolabi, B.L. Munoz (2015), Effect of starch gelatinization and vacuum frying conditions on structure development and associated quality attributes of cassava-gluten based snack, Food Structure 3 : 12-20.
10. S. A. O. Adeyeye, O. B. Oyewole, , A. O. Obadina, A. M. Omemu, (2015), Influence of smoking method on quality of traditional smoked Bonga shad (*Ethmalosa frimbriata*) fish from Lagos State, Nigeria, African Journal of Food Science 9.4 : 200-207.
11. A. M. Omemu, G. Bamigbade, A.O. Obadina, T. M. Obuotor (2015), Isolation and Screening of Amylase from Moulds Associated with the Spoilage of Some Fermented Cereal Foods, British Microbiology Research Journal 5.4 : 359-367.
12. T.A. Esan, O.P. Sobukola, L.O. Sanni, H.A. Bakare, B.L. Munoz (2015), Process optimization by response surface methodology and quality attributes of vacuum fried yellow fleshed sweetpotato (*Ipomoea batatas* L.) chips, , Food and Bioproducts Processing 95 : 27-37
13. T.A. Shittu, R.I. Egwunyenga, L.O. Sanni and L. Abayomi (2014), Bread from Composite Plantain-Wheat Flour: I. Effect of Plantain Fruit Maturity and Flour Mixture on Dough Rheology and Fresh Loaf Qualities, Journal of Food Processing and Preservation 38.4 : 1821-1829.
14. A.A. Adebowale, O.O. Olatunde, M.O. Adegunwa, W.B. Asiru and L.O. Sanni, (2014), Mechanical and Sensorial Characteristics of Cassava and Yam Composite Starch Films, Journal of Food Processing and Preservation 38.4: 1994-1998.
15. H. Adedotun, A. A. Adebowale, I. O. Olayiwola, T. A. Shittu & L. O. Sanni,(2015), Production and Quality Evaluation of Noodles From Sweet Potato Starch Journal of



- Culinary Science & Technology 13.1 : 79-93
- 16 R. Lamboll, V. Nelson, H. Posthumus, A. Martin, K. Adebayo, F. Alacho, N. Dziedzoave, G. Mahende, V. Sandifolo, L. Sanni, L. Abayomi, A. Graffham, R. Hillocks, and A. Westby (2015), Practical lessons on scaling up smallholder-inclusive and sustainable cassava value chains in Africa, *Food Chain* 5.1-2: 28-52.
 - 17 B.A. Alimi, T.A. Shittu, L.O. Sanni (2015), Effect of some hydrocolloids on coating performance of egg base coated fried yam chips. Source: *International Food Research Journal*, Vol. 22 Issue 3, p1009-1014. 6p.
 - 18 T. A. Shittu, H. A. Akinde, S. O. Kareem & L. O. Sanni (2015), Whipping and Lowering of Moisture Content To Reduce Cowpea Paste Souring Rate, *Journal of Culinary Science & Technology* 13.3 : 187-199.
 - 19 C.I. Omohimi, O.P. Sobukola, K.O. Sarafadeen, L.O. Sanni (2014), Effect of Thermo-extrusion Process Parameters on Selected Quality Attributes of Meat Analogue from Mucuna Bean Seed Flour, *Nigerian Food Journal* 32,1: 21-30.
 - 20 A. Marchant, A. Graffham, L. Sanni, and I. Adeoya (2015), Dramatic efficiency gains through improved heat exchangers: the case of cassava flash drying in Nigeria, *Food Chain* 5.1-2 : 91-104.
 - 21 S. T. Kareem, A. A. Adebowale, O. P. Sobukola, M. A. Adebisi, O. A. Obadina, O. E. Kajihansa, M. O. Adegunwa, L. O. Sanni & T. Keith (2015), Some Quality Attributes of High Quality Cassava-Tigernut Composite Flour and Its Extruded Snacks, *Journal of Culinary Science & Technology* 13.3 : 242-262.
 - 22 A.O. Olugbile, A.O. Obadina, A.O. Atanda, O.B. Omemu and S.O.A. Olatope (2015), Physicochemical Changes and Diastatic Activity Associated with Germination of 'Boromo', a Paddy Rice Variety from Western Nigeria, , *Journal of Food Processing and Preservation* 39.2: 116-122.
 - 23 T.A. Shittu, F. Idowu-Adebayo, I.I. Adedokun, O. Alade (2015), Water vapor adsorption characteristics of starch?albumen powder and rheological behavior of its paste, , *Nigerian Food Journal* 33.1 : 90-96.
 - 24 A. S. Adeboye, J. M. Babajide, O. Fayemi (2015), Effect of different types of honey on the microbial shelf stability of cassava-wheat composite bread, *African Journal of Food Science* 9.2 : 70-75
 - 25 I. Olotu, V. Enujiugha, A. Obadina and K. Owolabi (2014), Fatty acid profile of gamma-irradiated and cooked African oil bean seed (*Pentaclethra macrophylla* Benth), *Food science & nutrition* 2.6: 786-791.
 - 26 M.O. Adegunwa, A.A. Adebowale, H.A. Bakare and K.K. Kalejaiye (2014), Effects of Treatments on the Antinutritional Factors and Functional Properties of Bambara Groundnut (*Voandzeia subterranea*) Flour, *Journal of Food Processing and Preservation* 38.4 : 1875-1881
 - 27 T.A. Shittu, F.B. Fadeyi, M.A. Ladipo (2015), Impact of cassava flour properties on the sensory quality of composite white bread, *Quality Assurance and Safety of Crops & Foods* 7.5 : 769-777.
 - 28 G. O. Olatunde, F. O. Henshaw, Michael A. Idowu and K. Tomlins (2015), Quality attributes of sweet potato flour as influenced by variety, pretreatment and drying method, , *Food Science & Nutrition*.
 - 29 D.I. Gbenyi, I. Nkama, M.H. Badau, T.A. Shittu (2015), Modelling of system parameters of extruded sorghum-cowpea breakfast cereal using response surface methodology *Nigerian Food Journal* 33.1: 1-7.
 - 30 R. Brandes, P. Saghier, A. Galie, and Barasa (2015), ILRI's experience with the Crop and Goat Project in Tanzania from a gender perspective, *ILRI Discussion Paper* 30. Nairobi, Kenya: ILRIV.



HOSPITALITY AND TOURISM

1. S. A. O. Adeyeye, O.B. Oyewole, A.O. Obadina, A.M. Omemu, H.A. Oyedele, S.O. Adeogun, (2015), A survey on traditional fish smoking in Lagos State, Nigeria African Journal of Food Science 9.2 : 59-64.
2. S. A. O. Adeyeye, O.B. Oyewole, A.O. Obadina, A.M. Omemu, H.A. Oyedele, S.O. Adeogun, (2015), Influence of smoking method on quality of traditional smoked Bonga shad (*Ethmalosa frimbriata*) fish from Lagos State, Nigeria, African Journal of Food Science 9.4: 200-207.
3. A.M. Omemu, G. Bamigbade, A.O. Obadina, T.M. Obuotor, (2015), Isolation and Screening of Amylase from Moulds Associated with the Spoilage of Some Fermented Cereal Foods British Microbiology Research Journal 5.4 : 359-367.
4. O. Q. Adio, S.O. Kareem, M.B. Osho, A.M. Omemu (2015), Production Of Lipases In Solid-State Fermentation By *Aspergillus Niger* F7-02 With Agricultural Residues, The Journal of Microbiology, Biotechnology and Food Sciences 4.6 : 509.
5. S. A. O. Adeyeye, O.B. Oyewole, A.O. Obadina, A.M. Omemu (2015), Evaluation of Microbial Safety and Quality of Traditional Smoked Bonga Shad (*Ethmalosa frimbriata*) Fish from Lagos State, Nigeria, Pacific Journal of Science and Technology 16.1 : 286-294.

HOME SCIENCE MANAGEMENT

1. A.A. Amubode, O.R. Goriola (2015), Assessment of Entrepreneurial Traits among Undergraduate Students of Clothing, Textile and Interior Decoration. International Journal of Marketing Studies 7.4 : 94-104.
2. B. O. Falode, A. A. Amubode, M. O. Adegunwa, Online and Offline Shopping Motivation of Apparel Consumers in Ibadan Metropolis, Nigeria, Sunday Roberts Ogunduyil, International Journal of Marketing Studies, 8(1), 150.

NUTRITION AND DIETETICS

1. C.A. Oladoyinbo, N.N. Ekerette, T.I. Ogunubi (2015), Obesity and Hypertension amongst Traders in Ijebu Ode, Nigeria, African Journal of Biomedical Research 18.1 : 23-27
2. I.O. Olayiwola and A.O. Okhiria (2014), Evaluation of Iron, Zinc, Sodium and Phytate Contents of Commonly Consumed Indigenous Foods in Southwest Nigeria, Journal of Nutrition & Food Sciences.
3. I. O. Olayiwola, G. T. Fadupin, S. O. Agbato and D. O. Soyewo (2014), Serum micronutrient status and nutrient intake of elderly Yoruba people in a slum of Ibadan, Nigeria, , Public health nutrition 17.02: 455-461.
4. C.A. Oladoyinbo, O.O. Akinbule, I.A. Awosika (2015), Knowledge of food borne infection and food safety practices among local food handlers in Ijebu-Ode Local Government Area of Ogun State, Journal of Public Health and Epidemiology 7.9 : 268-273
5. O. O. Onabanjo, S. A. Sanni, W. A. O. Afolabi, O. O. Oyawoye and O. O. Obanla (2014), Lipid composition of some commonly consumed traditional Nigerian dishes, Journal of Human Nutrition and Dietetics 27.4 (2014): 367-376.



Table 2.5: Infrastructural projects

Projects		Funding sources/Donors	Benefits
Laboratory	Furnishing of the postgraduate laboratory of the College	EU-Greenwich University-FUNAAB Projects	Improvement in teaching-learning and Research
Laboratory	Provision of Bakery equipment	Africa-Brasil Innovative market place project	Improvement in teaching- learning, Research and capacity building for entrepreneurial development in baking technology
Laboratory	Provision of Microbiology/ Biotechnology equipment	The third world academy of science	Improvement in teaching-learning and Research
Laboratory	Provision of Deep freezer for the Meal preparation laboratory of Hospitality and Tourism (HTM) department	Student's practicum activities in FSM410 for 2012/2013 and 2013/2014 session	Improvement in teaching-learning and Research
Library	Furnishing (Provision of Chairs) of the College Library and donation of books.	Subvention from the University and philanthropic goodwill from members of the College.	Improvement in teaching-learning and Research
Library	Donation of Textbooks on all the options in Home science	Donated by undergraduate and post graduate students of the department.	Improvement in teaching-learning and Research

Table 2.6: Workshop(s) and Training(s) Hosted by the College

Workshop	Sponsors/Donors	Hosts by;	Benefits
World Health Day 2015 7 April, 2015	COLFHEC	Dr.A. O.Obadina Dr. A. M. Omemu	Provision of extension service in human capacity development and values re-orientation

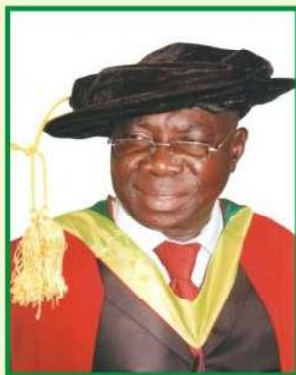


Cont from Table 2.6: Workshop(s) and Training(s) Hosted by the College

Workshop	Sponsors/Donors	Hostsed by;	Benefits
A 5 day Food Safety Training Programme in collaboration with the International Life Science Institute (ILSI) and the University of Ghana Legon. 15th-19th June, 2015	The International Life Science Institute (ILSI).	COLFHEC	Provision of extension service in human capacity development and values re-orientation
Inaugural Lecture of Prof Sanni L O., 21 May 2015	Self	Prof Sanni L O.	Town-Gown display of research outputs and exhibitions
Nutrition Society of Nigeria, Ogun State NTD	FUNAAB	Dr WAO Afolabi DR O O Onabanjo DR (Mrs) C.A. Oladoyinbo	
Dietetics of Nigeria (IDN) Conference	Babcock UNICEF etc.	Babcock and NTD	Awareness on Severe Acute Malnutrition (SAM) for Institute of Dietetics of Nigeria (IDN) members



2.5 COLLEGE OF BIOSCIENCES (COLBIOS)



Prof. D.A. Agboola
Dean, COLBIOS

Overview of the College

College of Biosciences (COLBIOS) came into being by the approval from the Senate and the University Governing Council in 2014. The College is made up of four Departments including Departments of Biochemistry, Microbiology, Pure and Applied Botany and Pure and Applied Zoology. The latter two are new Departments carved out of the former Department of Biological Sciences.

The Department of Pure and Applied Botany has an expanded Botanical Garden with indigenous and exotic plant species. It is located behind the first gate as you approach the University main Gate from camp.

2.5.1 Undergraduate Enrolment

The College undergraduate enrolment is presented below:

Table: 2.7: 2014/2015 Enrolment

Level	BCH	MCB	PAB	PAZ
100	79	75	33	32
200	76	93	48	52
300	80	93	31	56
400	116	108	61	53
Total	351	369	173	193

2.5.2 SOME WEB-BASED RESEARCH PUBLICATIONS

PURE AND APPLIED ZOOLOGY

1. Adeniran A.A., Mogaji H.O., Oluwole A.S., Abe E.M., Bankole S.O., Ekpo U.F. (2014). Commodity utilization of malaria intervention and control tool: Access and utilization of long lasting insecticide net in rural communities of Imeko-Afon and Odeda local government area of Ogun state, Nigeria. *Annals of Tropical Medicine and Public Health*, Vol 7(2) 85-90 DOI: 10.4103/1755-6783.146382
2. Olamiju O.J., Olamiju F.O., Adeniran A.A., Mba I.C., Ukwunna C.C., Okoronkwo C., Ekpo U.F. (2014). Public Awareness and Knowledge of Neglected Tropical Diseases (NTDs) Control Activities in Abuja, Nigeria. *PLoS Negl Trop Dis* 8(9): e3209. doi: 10.1371/journal.pntd.0003209
3. Karagiannis-Voules D.A., Biedermann P., Ekpo U.F., Garba A., Langer E., Mathieu E., Midzi N., Mwinzi P., Polderman A.M., Raso G., Sacko M., Talla I., Tchuem Tchuente L.A., Touré S., Winkler M.S., Utzinger J., Vounatsou P. (2014). Spatial and temporal distribution of soil-transmitted helminth infection in sub-Saharan Africa: a systematic review and geostatistical meta-analysis *The Lancet Infect Diseases* 2014
4. Lai Y., Biedermann P., Ekpo U.F., Garba A., Mathieu E., Midzi N., Mwinzi P., N'Goran E.K., Raso G., Assarie R.K., Sacko M., Schur N., Talla I., Tchuem Tchuente L.A., Touré S., Winkler M.S., Utzinger J., Vounatsou P. (2015). The spatial distribution of schistosomiasis



- and treatment needs for sub Saharan Africa: a systematic review and geostatistical meta-analysis. *The Lancet Infectious Diseases* 05/2015; DOI: 10.1016/S1473-3099(15)00066-3
5. Oluwole A.S., Ekpo U.F., Karagiannis-Voules D.A., Abe E.M., Olamiju F., Isiyaku S., Okoronkwo C., Saka Y., Nebe O.J., Braide E.I., Mafiana C.F., Utzinger J., Vounatsou P. (2015). Bayesian geostatistical model-based estimates of geospatial distribution of soil-transmitted helminthiasis and abendazole treatment requirements in Nigeria, *PLoS NTD* 9(4): e0003740. doi: 10.1371/journal.pntd.0003740
 6. Ogudo U.S., Oluwole A.S., Mogaji H.O., Adeniran A.A., Alabi O.M., Ekpo U.F. (2015). Gastrointestinal Helminth Infections in a Ruminant Livestock Farm in Abeokuta, South Western Nigeria. *Annual Research & Review in Biology* 8(4): 1-8, 2015, Article no. ARRB.18812 ISSN: 2347-565X, NLM ID: 10163286.
 7. Etuketu I.M., Mogaji H.O., Alabi O.M., Adeniran A.A., Oluwole A.S., Ekpo U.F. (2015). Prevalence and risk factors of *Trichomonas vaginalis* infection among pregnant women receiving antenatal care in Abeokuta, Nigeria. *African Journal of Infectious Diseases* 9(2): 51 - 56. <http://dx.doi.org/10.4314/ajid.v9i2.7>
 8. Sam-Wobo, S.O. and Asiwaju, R.T. (2014) Status of *Falciparum* Malaria in Some Granite Mining Communities of Odeda Local Government Area, Ogun State, Nigeria. *Research Journal in Engineering and Applied Sciences*, 3(1), 34-37. Available online at www.emergingresource.org
 9. Sam-Wobo, S. O.; Adekunle, N. O.; Adeleke, M. A.; Dedeke, G. A.; Oke, O. A.; Abimbola, W. A; and Surakat, O. A. (2014). Epidemiological factors in prevalence of malaria parasites in Primary Health Facilities Attendees, Ogun State, Nigeria. *Malaria Chemotherapy Control and Elimination*, Vol.3 issue 1: 1-6 <http://dx.doi.org/10.4172/2090-2778.1000111>
 10. Sam-Wobo, S. O, Malumi. O.O., Mafiana, C. F., Oganah, B. C., and Surakat, O. A. (2014). Malaria Parasites and Packed Cell Volume of Free Range Poultry in Abeokuta Metropolis, Ogun State, Nigeria. *Nigerian Journal of Pure and Applied Sciences*, Vol. 6: 68 - 74. Published by Faculty of Science, Benue State University, Makurdi.
 11. Sam-Wobo, S. O., Surakat, O. A., Adeleke, M. A., Ademolu, K. A., Abimbola, W. A. and Adekunle N. O. (2014). Ecological and attachment profile of *Simulium damnosum* s.l larval in breeding sites along Ogun river, Ogun State, Nigeria. *Journal of Entomology and Zoology Studies*; 2 (4): 197-200. Available online at www.entomoljournal.com
 12. Shittu O. B., Adelaja O. M., Obuotor T. M., and Sam-Wobo S. O. (2014). Clinical and Environmental Fungi Associated with Hospitalized Immunocompromised HIV-TB Coinfected Patients in Abeokuta, Nigeria. *International Journal of Public Health Research*. Vol. 2, (4), pp. 37-43
 13. Adekunle, N. O; Sam-Wobo, S. O.; Dedeke, G. A; Ojo, D. A; Ekpo, U. F.; Abimbola, W. A; and Surakat, O. A. (2014). Evaluation of Rapid Methods in Malaria Diagnosis from Persons attending Primary Health Facilities, Ogun State, Nigeria. *Nigerian Journal of Parasitology*, Vol. 35 (1 & 2), 19 - 25. Published by the Parasitology and Public Health Society of Nigeria (PPSN). Available online at <http://www.ajol.info/index.php/njpar>
 14. Oganah, B. C., Olayiwola, I. O., Oguntona, C. R. B., Sanni, S. A. and Sam-Wobo, S. O. (2014). In-vivo Assessment in Animal Models for Some Commonly Consumed Standardized Maize-Based Dishes/Snacks in Nigeria. *Nigerian Journal of Nutritional Sciences* vol. 35 (1): 113-121
 15. Shittu, O.B.; Adeniran, S.A.; Afolabi, O. R.; Sam-Wobo, S. O. (2014). Risk Surveillance of Multidrug Resistant *Pseudomonas Aeruginosa* in Water and Plasmid Relatedness with Clinical Strains in Abeokuta, Southwest Nigeria. *Journal of Natural Sciences, Engineering and Technology* 13:44-57: Published by Federal University of Agriculture, Abeokuta, Nigeria. www.funaab.edu.ng. ISSN: Print 2277-0593; Online 2315-7461.
 16. Adeyemi, E. E., Aisien, M. S. O., Sam-Wobo S.O., and Adeyemi, A. E. (2014). Evaluation of



- Questionnaire, Reagent Strip and Egg Count as Diagnostic Techniques for Confirming Urinary Schistosomiasis in School Children, Edo State, Nigeria. Nigerian Journal of Parasitology Vol 35 (1 & 2) 47 - 52. Published by the Parasitology and Public Health Society of Nigeria (PPSN). Available online at <http://www.ajol.info/index.php/njpar>
17. Shittu O. B., Obiakor I. E., Ojo D. A., Sam-Wobo S. O. (2015). Impact of antiretroviral prophylaxis adherence on mothers' health and Prevention-of-Mother-to-Child-Transmission (PMTCT) of HIV/AIDS among seropositive pregnant women attending HIV treatment centre in Abeokuta, Nigeria. International Journal of Public Health Research, 3(1): 17-24. Published online <http://www.openscienceonline.com/journal/ijphr>
 18. Ajayi J. B., Sam-Wobo, S. O., and Agbeyangi A. O. (2015). Prevalence of Urinary Schistosomiasis in Part of Ogun State, Nigeria. Journal of Natural Sciences Research vol. 5(5): 62-68 Available online at www.iiste.org ISSN 2224-3186 (Paper) ISSN 2225-0921 (Online).
 19. Adeleke, M.A., Sam-Wobo, S.O., Oluwole, A.S., Garza-Hernandez, J.A., Reyes-Villanueva, F., Rodriguez-Perez, M.A. (2015). Twenty-three years after the first record of *Aedes albopictus* in Nigeria: its current distribution and potential epidemiological implications. African Entomology Vol 23(2): 348-355. Published by Entomological Society of South Africa
 20. Babalola, A. S., Idowu, O. A., Sam-Wobo, S. O., and Fabusoro, E. (2015). Risk factors associated with occurrence of placental malaria in a population of parturients in Abeokuta, Ogun State, Nigeria. Malaria World Journal, Vol. 6, No. 8 ISSN 2214-4374. Available online at www.malariaworld.org.
 21. Abimbola, W. A., Agbolade, O. M., Sam-Wobo, S. H., and Akindele, S. T. (2015). Morphotaxonomic Assessment of *Simulium damnosum* and onchocerciasis in hypoendemic areas, Ijebu-North Government, Southwest Nigeria. IOSR Journal of Pharmacy and Biological Sciences, vol 10(4): 60-62. Available online at www.iosrjournal.org
 22. Abimbola, W. A., Akindele, S. T., Agbolade, O. M., and Sam-Wobo, S. H. (2015). Morphotaxonomic Phytoscreening of different plants for their repellent activities against the bite of *Simulium damnosum*. International Journal of Current Research in Biosciences and Plant Biology, vol 2(8): 38-42. Available online at www.ijcrbp.com
 23. Abimbola, W. A., Akindele, S. T., Agbolade, O. M., and Sam-Wobo, S. H. (2015). Morphotaxonomic Malaria and the use of insecticide treated nets by pregnant women in Ijebu-North East Local Government, Southwest Nigeria. Journal of Chemical, Biological and Physical Sciences, Vol 5(4): 3997-4001. Available online at www.jcbpsc.org
 24. Oke, O.A; Ehien, O.O and Ademolu, K.O (2014). Effects of *Dermestes maculatus* (DeGeer, 1774) on smoked African catfish *Clarias gariepinus* (Burchell, 1822) during storage. African Entomology. 22(1): 110-114. Published by Entomological Society of South Africa. Available online at <http://bioone.org/doi/10.4001>
 25. Idowu, A.B; Ademolu, K.O. and Bamidele, J.A (2014). Nutrition and heavy metal levels in the mound termite, *Macrotermes bellicosus* (Smeathman) (Isoptera: Termitidae) at three sites under varying land use in Abeokuta, southwestern Nigeria. African Entomology 22(1): 156-162. Published by Entomological Society of South Africa. Available online at <http://bioone.org/doi/10.4001>
 26. Lawal, O.A; Ademolu, K.O; Aina, S.A. and Abiade, A.N. (2014). Influence of nesting habitats on the gut enzymes activity and heavy metals composition of *Apis mellifera andersonii* L (Hymenoptera: Apidae). African Entomology, 22 (1): 163-166. Published by Entomological Society of South Africa. Available online at <http://bioone.org/doi/10.4001>
 27. Bamidele, J.A; Idowu, A.B; Ademolu, K.O. and Atayese, A.O. (2014). Microbial diversity and digestive enzyme activities in the gut of earthworms found in sawmill industries in Abeokuta, Nigeria. Revista de Biologia Tropical, 62 (3):1241-1249. Published by



- Universidad de Costa Rica. Available online at www.Biologitropical.ucr.ac.cr
28. Ademolu, K.O (2014). Effect of tentaclectomy on the growth and reproductive performance of Giant African Land snail, *Archachatina marginata*. *Nigerian Journal of Animal Science* 16 (1):152-156. Published by Animal Science Association of Nigeria (ASAN). Available online at [www.ajol.info/index.php.tjas](http://www.ajol.info/index.php/tjas).
 29. Sam-Wobo, S.O; Surakat, O.A., Adeleke, M.A; Ademolu, K.O, Abimbola, W.A and Adekunle, N.O (2014). Ecological and attachment profile of *Simulium damnosum* s.l larval in breeding sites along Ogun river, Ogun State, Nigeria. *Journal of Entomology and Zoology Studies*. 2(4):197-200. Available online at www.entomoljournal.com
 30. Aladesida, A.A; Dedeke, G.A; Ademolu, K.O and Museliu, F (2014). Nutrient Analysis of three earthworm cast-types collected from Ikenne, Ogun State, Nigeria. (formally ASSET) *Journal of Natural Sciences, Engineering and Technology*. (in Press). Published by Federal University of Agriculture, Abeokuta, Nigeria. Available online at journal.unaab.edu.ng
 31. Adeyemi-Ale, O.A., Aladesida, A.A., and Esenowo, I.K. (2014). The effect of detergent effluent on the physico-chemical characteristics and plankton diversity of Osere Stream, Ilorin, Kwara State, Nigeria. *Journal of Applied Science and Environment Management*, 18 (1), 109-113. Published by the Department of Pure and Applied Chemistry, University of Port Harcourt, Rivers State, Nigeria
 32. Aladesida, A. A., Owa, S. O., Dedeke, G. A. and Adewoyin O. A. (2014). Prospects and challenges of vermiculture practices in southwest Nigeria. *African Journal of Environmental Science and Technology*, 8(3): 185-189. Published by Academic Journals. <http://www.academicjournals.org/AJEST>
 33. Dedeke, G.A., Aladesida, A.A. and Babatunde, O. (2015). Earthworm cast biomass under three managed ecosystems: implication for soil fertility. *Ethiopian Journal of Environmental Studies & Management*, 8(4): 464 - 470. Published by the Department of Geography and Environmental Studies, Bahir Dar University, Ethiopia.
 34. Aladesida, A.A., Dedeke, G.A., Ademolu, K. and Museliu, F. (2015) Nutrient Analysis of Three Earthworm Cast-types collected from Ikenne, Ogun State, Nigeria. *Journal of Natural Science, Engineering and Technology*. Published by the Federal University of Agriculture, Abeokuta, Nigeria. Accepted March 2015.
 35. Aladesida, A.A. and Owa, S.O. Four new earthworm genera (Annelida: Oligochaeta) from Nigeria. *Journal of Natural Science, Engineering and Technology*. Published by the Federal University of Agriculture, Abeokuta, Nigeria. Accepted March 2015
 36. K.A. Fayemiwo, M.A. Adeleke, O.P. Okoro, K.O. Ademolu (2014), Larvicidal efficacies and chemical composition of essential oils of *Pinus sylvestris* and *Syzygium aromaticum* against mosquitoes, *Asian Pac J Trop Biomed.* ;4(1):30-4
 37. A.O. Adeyi, G.O. Akozi , M.A. Adeleke , B.K.O. Agbaogun and A.B. Idowu (2014) Induction and activity of glutathione S-transferases extracted from *Zonocerus variegatus* (Orthoptera: Pyrgomorphidae) exposed to insecticides A.O. Adeyi, G.O. Akozi , M.A. Adeleke , B.K.O. Agbaogun and A.B. Idowu, *International Journal of Tropical Insect Science*.
 38. K.O. Ademolu (2015), Contribución de la planta de papaya (*Carica papaya*) a la nutrición del caracol de tierra gigante africano, *Archivos de zootecnia*
 39. K.O. Ademolu (2015), Contribution of pawpaw plant (*Carica papaya*) to the performance of giant African land snail, *Arch. Zootec.* 64 (245): 79-81.
 40. A.D. Olaniran, F.O. Olamide (2014), Taxonomic significance of foliar epidermal characters in the *Caesalpinoideae* - *African Journal of Plant Science*,- academicjournals.org Fawibe Oluwasegun Olamide.
 41. A.A. Adeniran, O.H. Mogaji, S.A. Oluwole, M.E. Abe, O. S. Bankole , F. Uwem (2014), Commodity utilization of malaria intervention and control tool: Access and utilization of



- long lasting insecticide net in rural communities of Imeko-Afon and - Annals of Tropical Medicine and Public Health , Volume : 7, Issue : 2, pp. : 85-90
42. A.A. Aladesida, G.A. Adedeke, K. Ademolu, F. Museliu, (2014), Nutrient analysis of three earthworm cast-types collected from Ikenne, Ogun State, Nigeria International Journal of Engineering, Science and Technology, Vol 13, No 1.
 43. A.A. Aladesida, S.O. Owa (2015), Four new earthworm genera (annelida: oligochaeta) from Nigeria, Journal of Natural Sciences, Engineering and Technology, Vol 14, No 1.
 44. M. Aisien, S.O. Sam-Wobo (2014), Evaluation of questionnaire, reagent strip and egg count as diagnostic techniques for confirming urinary schistosomiasis in school children, Edo State, Nigeria, Nigerian Journal of Parasitology, Vol 35, No 1&2 .

PURE AND APPLIED BOTANY

1. C.G. Afolabi, CN Ezekiel, I.A. Kehinde (2015), Contamination of Groundnut in South?Western Nigeria by Aflatoxigenic Fungi and Aflatoxins in Relation to Processing, Journal of Phytopathology Volume 163, Issue 4, pp. 279-286.
2. O.F. Akinyemi, M.S. Ayodele (2015), Pod/seed attributes and their role in taxonomic delimitation on some species of Senna (Caesalpiniaceae), Journal of Botanical Taxonomy and Geobotany Volume 126, Issue 3-4, pp.77-82.
3. A.A. Ajiboye (2015), Efficacy of mycorrhizal inoculations on seed germination and plant growth of Bambara groundnut, *Vigna subterranea* (TVsu 283), African Journal of Agricultural Research Vol.10(9), pp. 1022-1030.
4. A.O Adeyi, L Nneji, Idowu Babatunde A. (2015), Ameliorative potentials of medicinal plants on the pathophysiological complications of diabetes mellitus: A review; - Journal of Medicinal Plants Research, Vol.9(8), pp. 262-288.

MICROBIOLOGY

1. C.P. Adekunle, A.M. Shittu (2014), Patterns And Determinants Of Livelihood Diversification Among Farm Households In Odeda Local Government Area, Ogun State, Journal of Agricultural Research and Environment Vol 14, No 1.
2. O.B. Shittu, I. Akpan, C.F. Mafiana (2014), Assessment of Sanitation and Water Handling Practices in Rural Communities of Ogun State, Southwestern Nigeria, International Journal of Public Health Research, Vol. 2.
3. O.B. Shittu, S.A. Adeniran, O. R. Afolabi, S. O. Sam-Wobo (2014), Risk Surveillance of Multidrug resistant *pseudomonas aeruginosa* in water and plasmid relatedness with clinical strains in Abeokuta, Southwest Nigeria, Journal of Natural Sciences Engineering and Technology Vol 13, No 1
4. Q. Remi, F.O. Olufemi, O.O. Odedara (2015), Seroprevalence of *Helicobacter pylori* Infection among Asymptomatic Children in Lagos, Nigeria, British Journal of Medicine and Medical Research 9.4 : 1-7
5. F.O. Olufemi, Q. Remi, O.B. Shittu, S.A. Bamiro, P.A. Akinduti (2015), *Helicobacter pylori* Stool Antigen in Asymptomatic Children in Lagos State, Nigeria., International Journal of Tropical Disease & Health. 2015; 7(4): 156-162.
6. M.B. Osho, T. Popoola, S.O. Kareem (2014), Immobilization of *Aspergillus niger* ATCC 1015 on bionatural structures for lipase production, Engineering in Life Sciences Volume 14, Issue 4, PP 449-454.
7. O. Akingbade, S. Balogun, D Ojo, P Akinduti, PO Okerentugba, JC Nwanze, IO Okonko (2014), Resistant plasmid profile analysis of multidrug resistant *Escherichia coli* isolated from urinary tract infections in Abeokuta, Nigeria African Health Sciences Vol 14, No 4.
8. M.B. Falana, M.O. Bankole, R.O. Afolabi (2015), Differential Antimicrobial Effects of Conventional and Ethnobotanical Extracts from *Vitellaria paradoxa* Roots, Barks and



- Leaves, British Microbiology Research Journal 6,(1) : 54-60.
9. A. Oluwafemi, A.K. Badmos, Adelodun Kolapo, S. Kareem, Oladipo Ademuyiwa (2014), Comparative Efficacies of Imarsil and Activated Charcoal in Reducing AflatoxinM1 in Cows' Milk - Global Journal of Science Frontier Research, Vol 14, No 10-D (2014)
 10. O. J. Olaoye, A. A. Akinyemi, O. A. Oduneye, G. N.O. Ezeri (2014), Micro-Organisms Associated With Smoked Prawn (*Macrobranchium Spp.*) in Selected Market Locations in Abeokuta Metropolis of Ogun State, Nigeri., Journal of Agricultural Science and Environment Vol 14, No 1 .
 11. M.O. Edema, (2015), Antimicrobial Activity of Lactobacilli from Spontaneously Fermented Maize Meal - Applied Tropical Agriculture.
 12. A.M. Omemu, G. Bamigbade (2015), Isolation and Screening of Amylase from Moulds Associated with the Spoilage of Some Fermented Cereal Foods British Microbiology Research Journal, 5.4 : 359-367.
 13. O.B. Shittu, I. Akpan, C.F. Mafiana, E.O. Ogunshola, O. Sodipe (2014), Assessment of Sanitation and Water Handling Practices in Rural Communities of Ogun State, Southwestern Nigeria - Journal of Public Health Research, Vol. 2, No. 5.
 14. S.F. Akinade, O.B. Shittu, D.A. Ojo, F.O. Olufemi (2015), Molecular Identification of *Salmonella enterica* serovar typhi from Stool Culture of Widal Test Positive Patients in Selected Hospitals in Abeokuta, Nigeria, International Journal of Scientific & Engineering Research, Volume 6, Issue 8.
 15. S.A.O. Adeyeye, O.B. Oyewole, A.O. Obadina, A.M. Omemu (2015), Evaluation of Microbial Safety and Quality of Traditional Smoked Bonga Shad (*Ethmalosa frimbriata*) Fish from Lagos State, Nigeria., The Pacific Journal of Science and Technology Volume 16. Number 1.
 16. A.O. Olugbile, A.O. Obadina, A.O. Atanda, O.B. Omemu and S.O.A. Olatope (2015), Physicochemical Changes and Diastatic Activity Associated with Germination of 'Boromo', a Paddy Rice Variety from Western Nigeria - Journal of Food Journal of Food Processing and Preservation Volume 39, Issue 2, pp.116-122.

BIOCHEMISTRY

1. D.I. Akinloye, TO Sunmonu, SO Omotainse (2015), Evaluation of antioxidant potentials of *Morinda morindoides* leaf extract, Toxicological & Environmental Chemistry, Volume 97, Issue 2, 2015
2. O.K. Afolabi, A.D. Wusu, O.O. Ogunrinola O.O. , E. O. Abam, D. O. Babayemi, O. A. Dosumu, O. B. Onunkwor, E. A. Balogun, O. O. Odukoya and Ademuyiwa, O., (2014), Paraoxonase I activity in subchronic low?level inorganic arsenic exposure through drinking water. Environmental Toxicology Volume 31, Issue 2, pp. 154-162.
3. A. Oluwafemi, A.K. Badmos, K. Adelodun, S. Kareem, O. Ademuyiwa (2014), Comparative Efficacies of Imarsil and Activated Charcoal in Reducing AflatoxinM1 in Cows' Milk - Global Journal of Science Frontier Research, Vol 14, No 10-D .
4. S.O. Rotimi, D.A. Ojo, O.A. Talabi, R. N. Ugbaja, E. A. Balogun and O. Ademuyiwa (2015), Amoxillin-and pefloxacin-induced cholesterogenesis and phospholipidosis in rat tissues -Nutrition Journal: Lipids in health .
5. O.K. Afolabi, A.D. Wusu, O.O. Ogunrinola, E. O. Abam, D. O. Babayemi, O. A. Dosumu, O. B. Onunkwor, E.A. Balogun, O.O. Odukoya and O. Ademuyiwa (2015), Arsenic-induced dyslipidemia in male albino rats: comparison between trivalent and pentavalent inorganic arsenic in drinking water - BMC Pharmacology and Toxicology.

2.5.3 Research Grants

The college enjoyed many research grants through some members of academic staff that are





internationally recognized scientist such as Professor Sam Wobo and Professor Ekpo of the Department of Pure and Applied Zoology who had over the years attracted grants such:

1. WHO/Federal Ministry of Health, Abuja, Nigeria supply of LF ICT Test Kits for Epidemiological Studies on Lymphatic Filariasis in Ose Local Government Area of Ondo State, South-Western Nigeria in 2014.
2. PATH, Washington USA supply of SD BIOLINE Onchocercasis IgG4 Test Kits (Ov16) For 2015 surveillance studies of onchocerciasis status in meso-endemic LGAs of Ogun State treated with Ivermectin since 2004.

The members of the College also engaged in several activities and projects within and outside the university. This included conferences, workshop and technical consultancy.

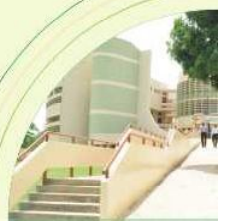


Table 2.8: Research Activity Profile in COLBIOS

S/N	Activity/Project	Investigator(S)
1	Informal consultation on the treatment of preschool age children with praziquantel, World Health Organization, Geneva, 28-30 September, 2015. Independent External Evaluator: Evaluation of CIFF epidemiological mapping of schistosomiasis and soil transmitted helminthiasis in 14 States of Nigeria, March 25 –April 17, 2015 by Sight Saver International, UK	Prof. U. F. Ekpo
2	Mapping of Schistosomiasis and Soil-transmitted helminthiasis in Nigeria from complied survey data funded by EFINTD	
3	Organization of 3rd General Assembly Meeting of African Research Network for Neglected Tropical Diseases	
4	Donation by Acino Pharma Ltd Dornacherstrasse 114/ch-4147 Aesch Switzerland (Rectal Artesunate (Plasmotrim rectocap 50/200mg drugs for Rural Community Based Introduction as Pre-Referral and for Therapeutic Treatment of Childhood Malaria in Ogun State, South-Western Nigeria from 2013 –2014.	Prof.S. O. Sam-Wobo Prof. U.F. Ekpo
5	Donation by WHO/Federal Ministry of Health, Abuja, Nigeria of ICT Test Kits for Epidemiological Studies on Lymphatic Filariasis in Ose Local Government Area of Ondo State, South-Western Nigeria in 2014.	
6	PATH, Washington USA supply of SD BIOLINE Onchocerciasis IgG4 Test Kits (Ov16) surveillance studies of onchocerciasis status in meso-endemic LGAs of Ogun State treated with Ivermectin since 2004	Prof. S. O. Sam-Wobo
7	PATH, Washington USA Biplex Studies on Ov16/Wb123 2016 studies of the use of biplex as diagnostic tool for <i>Onchocerca volvulus</i> and <i>Wuchereria bancrofti</i>	
8	WHO Safety and Efficacy studies on drug treatment of Praziquantel and Albendazole on School Children in Four Local Government Areas, Ogun State	



2.6 COLLEGE OF PHYSICAL SCIENCES (COLPHYS)



Prof. C. O. Eromosele
Dean, COLPHYS

Overview of the College

The College of Physical Sciences (COLPHYS) came into existence in 2014 from the splitting of former College of Natural Sciences (COLNAS). It is as of today made up of five Departments each running four years Bachelor of Science Degree programmes that are fully accredited by the National Universities Commission (N.U.C.). The Departments in COLPHYS are:

- Department of Chemistry
- Department of Computer Science
- Department of Mathematics
- Department of Physics
- Department of Statistics

These Departments are strategic in carrying out the University's mandate of producing skilled manpower towards sustainable development in agriculture, economy and the environment

2.6.1 Undergraduate Enrolment

The undergraduate enrolment for the College is hereby presented below:

Table 2.9: 2014/2015 Undergraduate Students' Enrolment

Level	CHM	CSC	MTS	PHS	STS
100	68	81	75	81	54
200	105	82	94	92	86
300	78	78	70	81	84
400	104	97	96	97	89
Total	355	338	335	351	313

2.6.2 SOME WEB-BASED RESEARCH PUBLICATIONS

COMPUTER SCIENCE

1. O. Folorunso, Knowledge Sharing Trust Level Measurement Adoption Model Based On Fuzzy Expert System - Computer and Information Science 8.2 (May 2015): 89-101
2. A.A. Abayomi-Alli, E.O. Omidiora, Adaptive Regression Splines Models for Predicting Facial Image Verification and Quality Assessment Scores BALKAN Journal of Electrical & Computer Engineering, 2015, Vol.3, No.1
3. K.I. Arowolo Quality Of Service Monitoring Of Mobile Networks (Case Study: MTN and GLO in FUNAAB) - 2015
4. B.A. Kalejaye, O. Folorunso, O. L. Usman, Predicting Students' grade Scores Using Training Functions of Artificial Neural Network- Journal of Natural Sciences Engineering and Technology Vol 14, No 1 (2015)
5. O.A. Ojesanmi, O.R. Vincent, O.R. Popoola Location Management Model Using Multi-Step Intelligent Paging In GSM, International Journal of Innovation and Applied Studies 10.1 (Jan 2015): 357-365
6. O. Ojo, A. Oluwatope, O. Ogunsola UStream: Ultra-Metric Spanning Overlay Topology for Peer-to-Peer Streaming Systems- 2015 IEEE International Symposium on Multimedia (ISM)



7. F.A. Rufai, O. Folorunso Predicting Students "?? Enrollment Using Generalized Feed-Forward Neural Network Journal of Natural Sciences Engineering and Technology Vol 14, No 1 (2015)
8. O. Folorunso, O.A. Mustapha, A fuzzy expert system to trust-based access control in crowdsourcing environments - Applied Computing and Informatics, 2015
9. A.O. Ogunde, O. Folorunso, A.S. Sodiya A partition enhanced mining algorithm for distributed association rule mining systems - Egyptian Informatics Journal, 2015.
10. O.O. Bamgboye, O. Folorunso, Replication-Based Cost Scheduling Strategy For Fault Tolerance In Distributed Knowledge Management Systems, Journal of Natural Sciences Engineering and Technology Vol 14, No 1 (2015)
11. A.O. Ogunde, O. Folorunso, A.S. Sodiya The Design of an Adaptive Incremental Association Rule Mining System - Proceedings of the World Congress on Engineering 2015 Vol I WCE 2015, July 1 - 3, 2015, London, U.K.

CHEMISTRY

1. E.E. Emeka, O.C. Ojiefoh, C. Aleruchi, L.A. Hassan, Evaluation of antibacterial activities of silver nanoparticles green-synthesized using pineapple leaf (*Ananas comosus*) Micron Volume 57, February 2014, pp. 1-5
2. E.O. Dare, C.O. Oseghale, A.H. Labulo, E.T. Adesuji, Green synthesis and growth kinetics of nanosilver under bio-diversified plant extracts influence Journal of Nanostructure in Chemistry March 2015, Volume 5, Issue 1, pp 85-94
3. S.A. Balogun, A.S. Ayangbenro, Screening For Heavy Molecular Weight Hydrocarbon Utilizing Bacteria From Oil Impacted, Non Oil Impacted Soil And Natural, Journal of Natural Sciences Engineering and Technology, 12(1), pp.25-34.
4. S.O. Alayande, E.O. Dare, T.A.M. Msagati, Superhydrophobic and superoleophilic surface of porous beaded electrospun polystyrene and polysytrene-zeolite fiber for crude oil-water separation Physics and Chemistry of the Earth, Parts A/B/C.
5. M.A. Idowu, S.H. Yau, O. Varnavski, Ultrafast time-resolved spectroscopy of lead halide perovskite films. International Society for Optics and Photonics, 2015.
6. A.A. Akinsiku, K.O. Ajanaku, J.A. Adekoya and E.O. Dare, Green Synthesis, Characterization of Silver Nanoparticles Using *Canna indica* and *Senna occidentalis* Leaf Extracts In: 11th - 13th May, International Conference on African Development Issues (CU-ICADI) 2015, Africa Leadership Development Center, Covenant University, Ota, Nigeria.
7. A.A. Idowu, O. Sunday, K.S. Olateju, Removal of Mn (II) from aqueous solution by *Irvingia gabonensis* immobilized *Aspergillus* sp. TU-GM14: Isothermal, kinetics and thermodynamic studies - Journal of Environment & Biotechnology Research, 3(1), pp.1-11.
8. A.I. Adeogun, M.A. Idowu, Bioremediation of Cu (II) contaminated water by *Saccharum officinarum*: effect of oxalic acid modification on equilibrium, kinetic and thermodynamic Bioresources and Bioprocessing, 3(1), p.1
9. O.K. Afolabi, A.D. Wusu, O.O. Ogunrinola, Arsenic-induced dyslipidemia in male albino rats: comparison between trivalent and pentavalent inorganic arsenic in drinking water BMC Pharmacology and Toxicology, 16(1), p.1
10. J.A. Adekoya, E.O. Dare, M.A. Mesubi, Polyol mediated hexadecylamine capped silver allied nanobimetallic Particles and their fluxional properties Journal of Physics and Chemistry of Solids, 86, pp.155-161.
11. É.C. Lima, M.A. Adebayo, F.M. Machado, Experimental Adsorption- In Carbon Nanomaterials as Adsorbents for Environmental and Biological Applications (pp. 71-84). Springer International Publishing.
12. J.A. Adekoya, E.O. Dare, Tandem Synthesis of some Low and High Indexed Monometallic Nanoparticles in Polyols, Poly (Vinylpyrrolidone), Trisodium Citrate and Dodecanethiol Matrices Digest Journal of Nanomaterials and Biostructures, 10(4), pp.1311-1327.
13. É.C. Lima, M.A. Adebayo, F.M. Machado, Kinetic and equilibrium models of adsorption - In



Carbon Nanomaterials as Adsorbents for Environmental and Biological Applications (pp. 33-69). Springer International Publishing (2015).

MATHEMATICS

1. A.A.A. Agboola, B Davvaz, Introduction to Neutrosophic BCI/BCK-Algebras. - Int. J. Math. Mathematical 2015
2. A.A.A. Agboola, B Davvaz, On Neutrosophic Ideals of Neutrosophic BCI-Algebras - A Publication of Society for Mathematics 2015.
3. A.O. Isere, J.O. Adéniran, T.G. Jaiyé?lá, Holomorphy of Osborn loops - Annals of West University 2015
4. M.O. Omeike, Boundedness of Third-order Delay Differential Equations in which h is not necessarily Differentiable - Acta Universitatis Palackianae Olomucensis. Facultas 2015
5. M.O. Omeike, Stability and Boundedness of Solutions of a Certain System of Third-order Nonlinear Delay Differential Equations - Acta Universitatis Palackianae Olomucensis. Facultas, 2015.
6. A.A.A. Agboola, S.A. Akinleye Neutrosophic Hypervector Spaces - ROMAI Journal, 2015
7. S.A. Akinleye, E.O. Adeleke, A.A.A. Agboola, Introduction to neutrosophic Nnearings
8. A.A.A. Agboola, B. Davvaz Introduction to Neutrosophic Nearings - gallup.unm.edu

PHYSICS

1. J.O. Akinlami, Optical Properties of Indium Antimonide InSb - The African Review of Physics, 2015
2. S.A. Ganiyu, B.S. Badmus, M.A. Oladunjoye , Delineation of Leachate Plume Migration Using Electrical Resistivity Imaging on Lapite Dumpsite in Ibadan, Southwestern Nigeria Geosciences, 5(2), pp.70-80. 2015
3. S.A. Ganiyu, B.S. Badmus, O.A. Idowu, M.A. Oladunjoye, 2D Electrical Resistivity Imaging Investigation of Open Dump Site in Basement Complex Formation The African Review of Physics (2015), 10:0033
4. A. Adelakun, A. Njah, O. Olusola, Electronic Simulation and Hardware Implementation of Two Coupled Periodically Forced Duffing and Van der Pol oscillators and its Application to Secure - Advances in Physics Theories and Applications, 50.
5. O.O. Adeleke, V. Makinde, A.O. Eruola, O.F. Dada, A.O. Ojo, Estimation of Groundwater Recharges Using Empirical Formulae in Odeda Local Government Area, Ogun State, Nigeria- Challenges 2015, 6, 271-281, 2015
6. B Rasaq, FO Zainab, Assessment of Activity Concentrations of Radionuclide with Depth in Wasteland Soils in Abeokuta, Southwest Nigeria - Physical Science International Journal, 2015
7. R.A. Jokojeje, I.A. Adejumobi, A.O. Mustapha, Application Of Static Synchronous Compensator (Statcom) In Improving Power System Performance: A Case Study Of The Nigeria - Nigerian Journal of Technology, 34(3), pp.564-572, 2015
8. J.O. Akinlami, Optical Properties Of Zinc Sulphide (Zns) - Journal of Natural Sciences Engineering and Technology, 12(1), pp.1-12., 2015

STATISTICS

1. Efficiency of neyman allocation procedure over other allocation procedures in stratified random sampling OO Mathew, AF Sola, BH Oladiran American Journal of Theoretical and Applied Statistics, 2(5), p.122., 2014
2. Location Management Model Using Multi-Step Intelligent Paging In GSM O.A. Ojesanmi, O.R. Vincent, O.R. Popoola International Journal of Innovation and Applied Studies, 10(1), p.357., 2015
3. A. Sobowale, M.N., Tijani Livelihood Analysis Of Smallholder Irrigation Farmers In Nigeria Journal of Agricultural Science and Environment, 14(2), pp.1-17., 2015



4. A.A. Shotonwa, Time Series Analysis of Monthly Exchange Rate (Dollar (\$) - Naira (#)) 1999-2011, 2014
5. Os Amolegbe, Statistical Analysis of Supply of Foreign Exchange In Nigeria (Case Study Of Us Dollars), 2014
6. O.E. Asiribo, A. Samson, Modelling Abrupt Shift in Time Series Using Indicator Variable: Evidence of Nigerian Insurance Stock HG Dikko, - International Journal of Finance and Accounting, 2015; 4(2): 119-130

2.6.3 Trainings, Conferences and Workshops

- 1 Dr. S. Adewuyi of Chemistry Department a paper titled "Cassava null waste water purification electrospun nanofiber material technology from snail shell" @ Pan Africa Network Congress 2014 held at UN Conference Centre, Addis Ababa, Ethiopia between 30 the Nov. 2nd December, 2014.
- 2 Dr. (Mrs.) I. C. Okeyode and Prof. A. O. Mustapha, et al presented a paper titled "Continuous Monitoring of Environmental Gamma Radiation Close rate Using a Gamma - Tracer - a Preliminary Results" at the 4th African Regional Conference of International Radiation Protection Association (IRPA) held between 13 - 17 the Sept. 2014, Rabat, Morocco
- 3 Dr. G. A. Adebayo represented the University at the 50th Anniversary of the establishment of Abdus Salam International Centre for Theoretical Physics (ICTP), Trieste, Italy, Held i Trieste, Italy in Oct. 2014.
- 4 Prof. O. D. Akinyemi attended World Bank sponsored workshop on Sustainability of Centres of Excellence for the 20th ACES in West and Central Africa held at Yaounde, Cameroon between 17th - 21st Nov. 2014.
- 5 Dr. O. M. Olayiwola of Department of Statistics presented a paper at the 2014 Annual International Conference of Royal Statistical Society held at Sheffield, United Kingdom in September, 2014

2.6.4 Linkages and Partnerships (on-going collaboration)

Federated Scheme of the Abdus Salam International Centre for Theoretical Physics (ICTP).

2.6.5 Research Grants, Fellowships, Scholarships Awards

- 1 Dr. (Mrs.) Mopelola A. Idowu of the Department of Chemistry won the 2014/2015 faculty for future fellowship award by Schelumberzer foundation Board of Trustees.
- 2 Dr. E. Dare of Chemistry won a TETFUND Research grant of N1.4 million
- 3 Dr. B. S. Badmus obtained a TETFUND grant and attended a conference titled "Geo Mod 2014" at Helmholtz Centre, Potsdam GFZ German Research Centre for Geo sciences between 30th August - 6th Sept, 2014.
- 4 Prof. A.O. Mustapha of the Department of Physics received the International Atomic Energy Agency (IAEA) Travel Grant to attend the 4th African Regional Conference of International Radiation Protection Association (IRPA) held between 13 - 17th Sept. 2014, Rabat, Morocco
- 5 Dr. G. A. Adebayo represented the University at the 50th Anniversary of the establishment of Abdus Salam International Centre for Theoretical Physics (ICTP), Trieste, Italy, Held i Trieste, Italy in Oct. 2014.



2.7 COLLEGE OF PLANT SCIENCE (COLPLANT)



Prof. Goke Bodunde
Dean, COLPLANT

Over view of the College

Our College, College of Plant Science and Crop Production COLPLANT is one of the oldest Colleges in the University. It was established in 1989 following the splitting into two of the erstwhile College of Agricultural Production and Technology into Plant and Animal components. The College has, since its inception, remained versatile and respected for its concern for excellence without compromising quality and high standard. The College has five (5) academic Departments as follows:

1. Department of Crop Protection
2. Department of Horticulture
3. Department of Plant Breeding and Seed Technology
4. Department of Plant Physiology and Crop Production
5. Department of Soil Science and Land Management.

2.7.1 Undergraduate Enrolment

The undergraduate enrolment for the College is hereby presented below:

Table 2.10: 2014/2015 Undergraduate Students' Enrolment

Level	CPT	HRT	PBST	PPCP	SSLM
100	64	47	64	72	70
200	93	90	88	80	92
300	99	90	104	92	108
400	96	105	97	93	90
500	122	95	94	95	107
Total	474	427	447	432	467

2.7.2 Linkages and Partnerships (ongoing collaboration)

1. Land and Water Resources Management Programme of Institute of Agricultural Research and Training.
2. International Institute of Tropical Agriculture, Ibadan.
3. National Cereals Research Institute, Badegi.

2.7.3 Grants and Awards

- i. Royal Society Africa Capacity Building Initiative Programme Grant.
- ii. Selection of Rice Varieties for Moisture Stress Tolerance and Mycorrhizal Benefits for Double Cropped Upland Rice - ARCN
- iii. Sustainable Cassava Weed Management Project Bill and Melinda Grant Foundation.
- iv. Cassava Weed Management Project by Bill and Melinda Gate Foundation



2.7.4 SOME WEB-BASED RESEARCH PUBLICATIONS

PLANT BREEDING AND SEED TECHNOLOGY

1. M. O Olayiwola, P. A. S Soremi (2014) Variability for dry fodder yield and component traits in cowpea [*Vigna unguiculata* (L.) Walp], Journal Electronic Journal of Plant Breeding Vol. 5 No. 1 pp. 58-62 ISSN 0975-928X
2. H.A. Durosomo, A.R. Popoola, C.G. Afolabi (2015) Germination and In Vitro regeneration response of local Nigerian tomato cultivar using different explant sources, Nig J. Biotech. Vol. 28 (2014) 35-42, ISSN: 0189 17131
3. T.O. Kehinde, M.A. Adebisi, A.O. Alegiledoye, O.O. Aja (2015) Evaluation Of Seed Nut Size as Index of Selection for Superior Seed Quality Attributes In Two Biotypes of Cashew (*Anacardium occidentale*) ni, Nature and Science; 13(10) <http://www.sciencepub.net/nature>
4. O.A. Oyetunde, O.J. Ariyo (2014), Genetics of seed yield and related traits in biparental crosses of okra, *Abelmoschus esculentus* (L.) Moench, Nigeria Journal of Genetics, Vol. 28, Issue 2, pp. 8-14
5. E.O. Idehen, O.B. Kehinde, X. Wang (2015), Discriminating Nigerian 'Egusi' melon accessions using agro-morphological and molecular techniques, Nig J. Biotech. Vol. 28 1-10, ISSN: 0189 17131, Available online at <http://www.ajol.info/index.php/njb/index>
6. M.O. Olayiwola, O.A. Dabo, O.J. Ariyo (2015), Assessment of morphological variation among Okra [*Abelmoschus esculentus* L.(moench)] accessions to aid selection of ideal parents, Electronic Journal of Plant Breeding, Vol. 6 Issue 3, pp. 663-667.
7. M.A. Adebisi, T.O. Kehinde (2015), Influence of Nut Size, Hydro Priming Duration and Storage Period on Seedling Emergence and Early Seedling Vigour Characters in Cashew (*Anacardium occidentale* L.), Pertanika Journal of Tropical Agricultural Science; Nov 2015, Vol. 38 Issue 4, p465
8. O. O. Oyelakin, Opabode, E. O. Idehen (2015), Comparing the Effect of Two Promoters on Cassava Somatic Embryo at Transient GUS Assay Level: British Biotechnology Journal, 7(2): 79-84, , Article no.BBJ.2015.048, ISSN: 2231-2927, www.sciencedomain.org
9. A.O. Akinyemi, O.O.R. Pitan, A.A. Osipitan, MA Adebisi 2015, Susceptibility of sesame (*Sesamum indicum* L.) to major field insect pests as influenced by insecticide application in a sub-humid environment African Entomology, Vol 23, Issue 1, pp. 48-58
10. A.O. Akinyemi, O.O.R. Pitan, A.A. Osipitan, M.A. Adebisi (2014), Genetic variation and heritability of yield and related traits in promising rice genotypes (*Oryza sativa* L.) S. A Ogunbayo, D.K Ojo, K.A Sanni, Journal of Plant Breeding and Crop Science, Vol.6 (11), pp. 153-159.
11. A. R. Popoola, M.R. Ercolano, F. Ferriello (2014), CAPS markers TAO1 and TG105 in the identification of I2 resistant gene in Nigerian accessions of tomato, *Solanum lycopersicum* L. Nigerian Journal of Biotechnology, Vol. 28, 43-51
12. C.O. Alake, M.A. Ayo-Vaughan, (2015), Selection criteria for grain yield and stability in bambara groundnut (*Vigna subterranean* (L) Verde) landraces, Acta Agriculturae Scandinavica, Section B - Soil & Plant Science, Volume 65, Issue 5, 2015
13. I.O. Daniel, O.W Adabale, K.A. Adeboye (2014), Evaluation of genetic integrity of tomato seeds during ageing by microsatellite markers Nigerian Journal of Genetics, Vol. 28, Issue 2, July, 2014, PP 29-33
14. T.O. Kehinde, M.A. Adebisi, A.O. Alegiledoye, O.O. Ajani (2015), Evaluation Of Seed Nut Size As Index Of Selection For Superior Seed Quality Attributes In Two Biotypes Of Cashew (*Anacardium occidentale*), Nature and Science; 13(10) <http://www.sciencepub.net/nature> British Biotechnology Journal 7(2): 79-84, 2015, Article no.BBJ.2015.048 ISSN: 2231-2927



PLANT PHYSIOLOGY AND CROP PRODUCTION

1. M.O. Olayiwola, P.A.S. Soremi (2014), Variability for dry fodder yield and component traits in cowpea [*Vigna unguiculata* (L.) Walp], *Electronic Journal of Plant Breeding*, Vol.1 Issue 5 PP58-62
2. V.I.O. Olowe, O.A. Enikuomehin, Y.A. Adekunle, (2014) Hydrothermal Variability and Sunflower Seed Yield in the Humid Tropical Region, *Helia*. Volume 37, Issue 60, PP 37-58, ISSN (Online) 2197-0483, ISSN (Print) 1018-1806, DOI: 10.1515/helia-2014-0003
3. F.O. Oshundiya, V.I.O. Olowe, F.A. Sowemimo, J.N. Odedina (2014), Seed Yield and Quality of Sunflower (*Helianthus annuus* L.) as Influenced by Staggered Sowing and Organic Fertilizer Application in the Humid Tropics, *Helia*. Volume 37, Issue 61, Pages 237-255, ISSN (Online) 2197-0483, ISSN (Print) 1018-1806, DOI: 10.1515/helia-2014-0012.
4. Y.A. Adekunle, V.I. Olowe, F.O. Olaniran (2014), Mixture productivity of cassava based cropping system and food security under humid tropical conditions, *Food and Energy Security*, Volume 3, Issue 1, PP46-60.
5. O.S. Sakariyawo, P.A.S. Soremi, K.A. Okeleye, V.I.O. Olowe, J.O. Azeez, S.G. Aderibigbe, A.A. Oyekanmi (2015), Responses of Upland Rice to Tillage, Seeding Method and Spacing in the Inland Valley of Rainforest/Savanna Transitory, *Journal of Agricultural Science and Environment*.
6. A.O. Ojo, M.T. Adetunji, K.A. Okeleye (2015), Soil Fertility, Phosphorus Fractions, and Maize Yield as Affected by Poultry Manure and Single Superphosphate, *International Scholarly Research Notices* Volume 2015 Article ID 616213, 8 pages <http://dx.doi.org/10.1155/2015/616213>
7. C.U. Aguoru, B.E. Okoli, J.O. Olaniran (2014), Phytogeography of the genus *Sesamum* L. (pedaliaceae) in Nigeria, West Tropical Africa, *Scientific Journal of Crop Science*, Vol 3, No 11

SOIL SCIENCE AND LAND MANAGEMENT

1. F.A. Olowokere (2015), Effect of Inorganic and Organo-Mineral Fertilizers on Soil Properties and Nutrient Composition Of Pepper (*Capsicum* Spp.), *J. Agric. Sci. Env.* 2014, 14:82-96
2. O.O. Adeoluwa, A.O. Ogundeji, D.O. Agbeyegbe (2015), Remediation of Soil Contaminated with Motor Spirit using Compost Material, *International Journal of Plant & Soil Science*, 6(1): 16-25
3. M.A. Busari, S.S. Kukal, A. Kaur, R. Bhatt (2015), Conservation tillage impacts on soil, crop and the environment, *International Soil and Water Conservation Research* Volume 3, Issue 2, pp. 119-129
4. M.A. Busari, F.K. Salako (2015), Soil hydraulic properties and maize root growth after application of poultry manure under different tillage systems in Abeokuta, southwestern Nigeria, *Archives of Agronomy and Soil Science* Volume 61, Issue 2, 2.
5. R. Bhatt, S.S. Kukal, S. Arora, M.A. Busari (2015), Sustainability issues on rice-wheat cropping system, *International Soil and Water Conservation Research* Volume 4, Issue 1, pp. 64-74.
6. M.O. Olayiwola, O.A. Dabo, O.J. Ariyo (2015), Assessment of morphological variation among Okra [*Abelmoschus esculentus* L.(moench)] accessions to aid selection of ideal parents; *Electronic Journal of Plant Breeding*. Volume 6 issue 3 pp. 663-667.



2.8 COLLEGE OF VETERINARY MEDICINE (COLVET)



Prof. E.B. Otesile
Dean, COLVET

Overview of the College

The College of Veterinary Medicine (COLVET) is one of the two Colleges that were established during the second phase of development of the University. It took off with the admission of the first set of 100 level students into the six-year Doctor of Veterinary Medicine (DVM) degree programme in the 2001/2002 session.

The College has the following six Departments:

1. Department of Veterinary Anatomy,
2. Department of Veterinary Physiology and Pharmacology,
3. Department of Veterinary Pathology,
4. Department of Veterinary Microbiology and Parasitology,
5. Department of Veterinary Medicine and Surgery, and
6. Department of Veterinary Public Health and Reproduction.

As at 2014/2015 Academic Session, the College had 204 students as indicated below:

Table 2.11: 2014/2015 Undergraduate Students' Population

Level of study	No. of Females	No. of Males	Total
100	10	20	30
200	15	23	35
300	16	23	40
400	12	30	42
500	9	19	28
600	6	21	27
Total	68	136	204

2.8.1 Achievements

a. Veterinary Council of Nigeria (VCN) Accreditation

After the Veterinary Council of Nigeria (VCN) Accreditation visitation to the College, the Doctor of Veterinary Medicine degree programme was again fully accredited up to 2019.

b. National University Commission (NUC) Accreditation Team

Following the National University Commission (NUC) Accreditation visitation to the College in December 2014, the Doctor of Veterinary Medicine degree programme of the University was fully accredited for a further period of five years (up to 2019).





Veterinary Council of Nigeria Examination Monitoring Team with the Dean, Deputy Dean, Director, VTH and Heads of Department.

2.8.2 SOME WEB-BASED RESEARCH PUBLICATIONS

Veterinary Medicine

1. O.O. Okubanjo, V.O. Sekoni, O.J. Ajanusi (2014), Testicular and epididymal pathology in Yankasa rams experimentally infected with *Trypanosoma congolense*, *Asian Pacific Journal of Tropical Disease* 4.3: 185-189
2. Egbetade, O. Akinkuotu, O. Jayeola, A. Niniola (2014), Gastrointestinal helminths of resident wildlife at the Federal University of Agriculture Zoological Park, Abeokuta, Sokoto *Journal of Veterinary Sciences* 12.3: 26-31
3. O.K. Afolabi, A.D. Wusu, O.O. Ogunrinola (2014), Paraoxonase 1 activity in subchronic low level inorganic arsenic exposure through drinking water *Environmental toxicology*
4. D.I. Akinloye, T.O. Sunmonu, S.O. Omotainse (2015), Evaluation of antioxidant potentials of *Morinda morindoides* leaf extract *Oxicological & Environmental Chemistry* 97.2: 155-169
5. J.O. Olukunle, O.T. Adenubi, K.T. Biobaku (2015), Anti-inflammatory and analgesic effects of methanol extract and fractions of *Acalypha wilkesiana* leaves, *Journal of basic and clinical physiology and pharmacology* 26.2 : 181-184.
6. J.O. Olukunle, E.B. Jacobs, O.L. Ajayi (2015), Toxicological evaluation of the aqueous extract of *Acalypha wilkesiana* in Wistar albino rats, *Journal of Complementary and Integrative Medicine* 12.1 : 53-56.
7. O.G. Richard, A.J. Olaniyi, M.P. Paul (2015), A Review on Human Deaths Associated with Rabies in Nigeria, *Journal of Vaccines & Vaccination*.
8. A.O. Sonibare, A.O. Egbetade, E.O. Omoshaba (2014), Selected plasma biochemical parameters in improved indigenous NIGERHYB pigs in Southwestern Nigeria, *Biokemistri* 26.2 : 31-35
9. O.A. Mustapha, O.E. Ayoade, T.K. Ogunbunmi, M.A. Olude (2015), Morphology Of The Oral Cavity Of The African Giant Rat (*Cricetomys Gambianus*, Waterhouse), *Bulgarian Journal of Veterinary Medicine* 18.1 : 19-30.
10. A.O. Adebayo, A.K. Akinloye, S.G. Olukole (2015), Gross, Histological and Ultrastructural Features of the Bulbourethral Gland in the Greater Cane Rat (*Thryonomys swinderianus*), *Anatomia, histologia, embryologia* 44.1 : 59-65.
11. O.T. Somade, A.E. Odekunle, O. Oluwasaanu (2015), Extra-pulmonary oxidative stress



- investigations of an over-the-counter pyrethroid insecticide product in rats, *African Journal of Biotechnology*, 14.12 : 1081-1087.
12. O.T. Somade, N.M. Umanah, A.E. Odekunle (2014), Brain, lung, and heart oxidative stress assessment of an over-the-counter pyrethroid insecticide product in Nigeria, *Biokemistri* 26.4: 130-139.
 13. O.O. Okubanjo, V.O. Sekoni, O.J. Ajanusi (2015), Effects of Experimental Trypanosoma Congolense Infection on Sperm Morphology in Yankasa Rams, *Macedonian Veterinary Review* 38.2 : 203-208.
 14. E.S. Ajibola, J.O. Oyewale, B.O. Oke (2015), M-Mode Left Ventricular Echocardiographic Indices Of Trypanosoma Brucei Infected Dogs
 15. O.T. Somade, O.A. Akinloye, M.O. Adeyeye (2015), Quercetin, a natural phytochemical and antioxidant protects against sodium azide-induced hepatic and splenic oxidative stress in rats, *Journal of Investigational Biochemistry* 4.3 : 69-74.
 16. O.G. Fasanmi, O.J. Okuneye, E.S. Ajibola (2015), Productive and Physiological Responses of Heat-Stressed Dominant Black Hens to Artificial Ventilation and Modified Layers Mash in Nigeria, *International Journal of Poultry Science*, 14.8: 471.
 17. O.E. Ola-Davies, A.A. Oloye, M.O. Oyeyemi (2015), Ameliorating Effects Of Guava (Psidium Guajava) Extract On Adriamycin Induced Reproductive Toxicities, *FOLIA*, 59.3: 153-158
 18. A.O. Lala, A.O. Oso, A.M. Ajao, O.M. Idowu, O.O. Oni (2015), Effect of supplementation with molecular or nano-clay adsorbent on growth performance and haematological indices of starter and grower turkeys fed diets, *Livestock Science* 178: 209-215.
 19. O.A. Adebayo, A.K. Akinloye, A.O. Ihunwo (2015), The coagulating gland in the male greater cane rat (*Thryonomys swinderianus*): morphological and immunohistochemical features, *Folia morphologica*, 74.1 : 25-32.
 20. A.O. Adebayo, A.K. Akinloye, S.G. Olukole (2015), Anatomical and Immunohistochemical Characteristics of the Prostate Gland in the Greater Cane Rat (*Thryonomys swinderianus*), *Anatomia, histologia, embryologia*, 44.2 : 138-145.
 21. O.K. Afolabi, A.D. Wusu, O.O. Ogunrinola (2015), Arsenic-induced dyslipidemia in male albino rats: comparison between trivalent and pentavalent inorganic arsenic in drinking water, *BMC Pharmacology and Toxicology*, 16.1 : 1.
 22. M. A. Adeleke, S. Olusola Peters, D.T. Ogunmodede, O. O. Oni, O. L. Ajayi, M. Wheto, O. A. Adebambo (2015), Genotype effect on distribution pattern of maternally derived antibody against Newcastle disease in Nigerian local chickens 2014, *Tropical animal health and production* 47,2 : 391-394.
 23. A.K. Akinloye, B.O. Oke (2014), Ultrastructural Features of Vagina at Different Phases of the Oestrous Cycle in the Female African Giant Rat (*Cricetomys gambianus* Waterhouse), *The Anatomical Record*, 297.6 : 1131-1136
 24. R.A. Ajadi, T.A. Ajadi, A.A. Adeniyi, O.O. Adebayo, A.F. Makinde, I.A. Adeleye, Records of caesarean sections in bitches presented to the veterinary teaching hospital, Federal university of agriculture, Abeokuta, *Nigeria Bulletin of Animal Health and Production in Africa*, 63.1: 119-128
 25. J.O. Olukunle, E.B. Jacobs, O.L. Ajayi (2015), Toxicological evaluation of the aqueous extract of *Acalypha wilkesiana* in Wistar albino rats *Journal of Complementary and Integrative Medicine*, 12.1 (2015): 53-56.
 26. B.B. Oluwasile, S.O. Oseni, A.A. Ajibola (2014), Analysis and public health implications of suspected bovine tuberculosis in cattle slaughtered in Lafenwa municipal abattoir, Abeokuta, Ogun state, Nigeria-, *Animal Health and Production*, 62 : 247.
 27. J.O. Olukunle, O.T. Adenubi, K.T. Biobaku (2015), Anti-inflammatory and analgesic effects of methanol extract and fractions of *Acalypha wilkesiana* leaves, *Journal of basic and clinical*



- physiology and pharmacology, 26.2 : 181-184.
28. A.O. Adesanya, O.O. Arowolo, A.B. Saba (2014), A survey of commonly used herbal drugs in veterinary practice in southwest Nigeria, *Ianta Medica*, 80.16 : P2O80.
 29. J.O. Daramola, E.O. Adekunle (2015), Cryosurvival of goat spermatozoa in Tris-egg yolk extender supplemented with vitamin C - *Arch. Zootec*, 64 : 261-268.
 30. T.A. Ajadi, M.O. Oyeyemi (2015), Short-Term Effects Of A Single Dose Of Gonado-Trophin Releasing Hormone (Gnrh) Vaccine On Tes-Ticular And Ejaculate, *Bulgarian Journal of Veterinary Medicine*, 18.2 : 123-131.
 31. J.A. Abiona, O.A. Akinwande (2015), Effect Of Feed Type On Growth, Spermatozoa Production and Gonado-Somatic Index In Giant African Land Snail (*Archachatina marginata*), *Journal of Agricultural Science and Environment*, 13.1 : 1-9.
 32. J.A. Abiona, P.A. Akinduti (2015), Comparative Morphology of Haemocyte From Two Species of Giant African Land Snails (*Archachatina marginata* and *Achatina achatina*), *Journal of Agricultural Science and Environment*, 13.1 : 15-23.
 33. O.O. Falohun, O.O. Obebe, E.T. Onyiche, P.O. Oke, O.S. Omotainse and D.B. Adelabu (2015), Parasitological identification and histological examination of *Fasciola gigantica* sequel to occurrence of bovine Billiary fasciolosis in cattle slaughtered at, *Animal Research International Journal*, 12.3 : 2268.
 34. E.I. Kalu, C.K. Ojide, V.U. Nwadike (2015), Validity of genito-urinary discharges, genital ulcers and genital rashes as indicators of seroincident HSV-2 infection, *Asian Pacific Journal of Tropical Disease*, 5 (2015): S109-S113.
 35. O. O. Igado, T. O. Omobowale, R. A. Ajadi and H. O. Nottidge (2015), Gross Morphometric Studies on the Tongue, Buccal Cavity and Hard Palate of the Fruit Bat (*Eidolon helvum*), *Anatomia, histologia, embryologia*, 44.4 : 283-287.
 36. O.J. Awoyomi, O.E. Ojo (2014), Antimicrobial resistance in aerobic bacteria isolated from oral cavities of hunting dogs in rural areas of Ogun State, Nigeria, *Sokoto Journal of Veterinary Sciences*, 12.3 (2014): 47-51.



2.9 COLLEGE OF MANAGEMENT SCIENCES (COLMAS)



Dr. Biola Phillip
Ag. Dean, COLMAS

Over view of the College

The College of Management Sciences consists of five functional departments. These are Accounting, Banking and Finance, Business Administration, Economics and Entrepreneurial Studies.

The College made history by graduating the very first set students in the session under review. Dr. Biola Phillip was appointed Acting Dean in August 2014. She took over from the Pioneer Dean Prof. E. A. Oyelere.

The College which was operating in temporary site has moved to its permanent site which was supported by the Central Bank of Nigeria.

2.9.1 Undergraduate Enrolment

The undergraduate enrolment for the College is hereby presented below:

Table 2.12: 2014/2015 Undergraduate Students' Enrolment

Level	ACC	BFN	BAM	ECO	ETS
100	114	96	118	111	107
200	110	120	139	105	158
300	125	88	100	96	143
400	103	74	92	90	103
Total	452	378	449	402	511

2.9.2 SOME WEB-BASED RESEARCH PUBLICATIONS

ECONOMICS

1. O. A. Adekoya, O. F. Ashaolu, Price Trend Analysis of Selected Food Grains in Ogun State, Nigeria (1988-2012), Journal of Agricultural Science and Environment
2. S. O. Olubiyo, A. E Obayelu (2015), Unintended Benefits of Millennium Development Goals to a Culturally Embedded Rural Economy, European Scientific Journal May, 2015 edition vol.11, No.13 ISSN: 1857 - 7881
3. S.O. Akinbode (2015), A linear approximation almost ideal demand system of food among households in South-West Nigeria., 42(6), International journal of social economics
4. S.A. Olanrewaju, S.O. Akinbode (2014), The Impact of Entrepreneurship on Economic Development in Nigeria (A Case Study)
5. P. I. Ojeaga (2015), Can Africa's Young Drive Innovation? Investigating the Effect of Entrepreneurial Innovation on Economic Growth in Africa, Journal of Applied Quantitative Methods.
6. A.A. Salisu, A.I. Adeleke (2015), Further application of Narayan and Liu (2015) unit root model for trending time series. Journal Economic Modelling, Volume 55, pp. 305-314. Publisher-North-Holland



BUSINESS ADMINISTRATION

1. S.O. Adebisi, E.O. Oyatoye, J.N. Mojekwu (2015), Predicting Customer Churn and Retention Rates in Nigeria's Mobile Telecommunication Industry Using Markov Chain Modelling *Acta Universitatis Sapientiae, Economics and Business*, 2015, vol. 3, issue 1, PP 67-80
2. O.A. Lawal-Adebowle, A.K. Aromolaran (2015), Indices of Land Degradation and Control Measures in Selected Urban Communities of Abeokuta, Ogun State, Nigeria, *International Journal of Social Ecology and Sustainable Development*.

ACCOUNTING

1. S.O. Kajola, A.A. Adewumi (2015), Dividend pay-out policy and firm financial performance: Evidence from Nigerian listed non-financial firms, *International Journal of Economics, Commerce and Management*, United Kingdom Vol. III, Issue 4, <http://ijecm.co.uk/> ISSN 2348 0386
2. O Babajide, F Samuel, B Ayorinde (2015), A Model for Evaluating Teaching Effectiveness in Accounting Professional Programmes: A Study from Nigeria, *Journal of Educational and Social Research*, Vol. 5 No.1, ISSN 2240-0524, MCSER Publishing, Rome-Italy.
3. S. O Kajola, A. A Desu, T. F Agbanike (2015), Factors Influencing Dividend Payout Policy Decisions of Nigerian Listed Firms, *International Journal of Economics, Commerce and Management*, United Kingdom Vol. III, Issue 6, <http://ijecm.co.uk/> ISSN 2348 0386

2.9.3 Trainings, Conferences and Workshops

The College was represented at International conferences such as

- 1) Centre for the Study of African Economies, Economic Development in Africa. St. Catherine's College, Oxford, United Kingdom, 22-24 March, 2015
- 2) Biannual Research workshop organized by the African Economic Research Consortium (AERC) May 31 - June 4, 2015, Tanzania
- 3) Finance and Economic Conference (FEC) held at Munich, Germany, August 13 - 14, 2014
- 4) International Conference on Business Administration, Management and Economics (ICBME) held at Kuala Lumpur, Malaysia, February 13 - 14 2014.
- 5) Finance and Economics Conference 2015, held in Frankfurt am Main, Germany, August 5 - August 7, 2015.

2.9.4 Accreditation Exercise

On June 22, 2015, two Teams from the National Universities Commission (NUC) were received into the College for the first ever accreditation exercise of the five programmes in COLMAS. Consequent upon the exercise, 3 programmes (Accounting, Banking and Finance and Business Administration) were given full accreditation, while two (Economics and Entrepreneurial Studies) had interim accreditation.



2.10: COLLEGE OF ENVIRONMENTAL RESOURCES MANAGEMENT (COLERM)



Prof. C. O. Adeofun
Dean, COLERM

Overview of the College

The College of Environmental Resources Management was established with four other Colleges at the inception of the University of Agriculture, Abeokuta in 1988. Presently, the Departments in the College which offer five years Bachelor degree programmes are: Department of Aquaculture and Fisheries Management, Department of Environmental Management and Toxicology, Department of Forestry and Wildlife Management and Department of Water Resources Management and Agro meteorology.

2.10.1 Undergraduate Enrolment

The undergraduate enrolment for the College is hereby presented below:

Table 2.13: Undergraduate Students' Enrolment

Level	AQFM	EMT	FWM	WRMA
100	72	79	62	77
200	107	85	110	104
300	101	79	92	87
400	111	66	100	91
500	95	75	78	100
Total	486	384	442	459

2.10.2 Research Funding/Study Grant/Travel Grants

1. Olujimi, O.O. DAAD travel Grant to attend Summer School and World Symposium on "Integrated Concepts on the Management of Water and Wastewater" 24th October - 4th November 2015. Others:
2. The Climate Impact Research Capacity and Leadership Enhancement in Sub-Saharan Africa (CIRCLE) Travel Grant to present at the 7th SETAC Conference, Langebaan, Cape Town South Africa, 5th - 8th October, 2015.
3. African Network of Scientific and Technological Institutions (ANSTI) Travel grant to present at the 4th Summit of Toxicology, Philadelphia, USA. 24th - 26th August, 2015.
4. Writing Grant by Pure Earth Institute, U.S.A.
5. Intercontinental Foundation for Science (IFS) Research Grant on "Levels of phthalate esters, BPA and Nonyl Phenols in water leachate from dumpsites - (Grant Agreement No. W/5065-2).
6. The Climate Impact Research Capacity and Leadership Enhancement in Sub-Saharan Africa (CIRCLE) Fellowship Grant.DFID UK, Association of Commonwealth Universities and Africa Academy of Science. 2015.
7. Profiling and Mapping of Endocrine Disrupting Chemicals in Soil, Leachate, Groundwater,



- Plants and Air from Landfill sites of Lagos State. 2014/2015. Lagos State Research and Development Council Grant. 2014/2015.
8. Evolving a Framework for Stakeholder's Participation in Non-biodegradable Plastic Waste Management. Lagos State Research and Development Council Grant. 2014/2015.
 9. Consumers' Perception of Microbial and Organic Contaminations of Milk Locally Produced By Fulani Pastoralists In Ogun and Oyo State, Nigeria. Tertiary Education Trust Fund/Federal University of Agriculture, Abeokuta.
 10. International Foundation for Science (IFS) Travel Grant to present at International Conference on Water, Informatics, Sustainability and Environment, Gatineau, Canada. 26th -28th 2014.
 11. Blacksmith Institute Small Research Grant for research into health impact of illegal mining in Igun and Iperindo, Osun State, Nigeria. 2014.

2.10.2 SOME WEB-BASED RESEARCH PUBLICATION

ENVIRONMENTAL MANAGEMENT AND TOXICOLOGY

1. O.H. Adedeji, O.O. Tope-Ajayi (2015), Assessing and Predicting Changes in the Status of Gambari Forest Reserve, Nigeria Using Remote Sensing and GIS Techniques Journal of Geographic Information System 7.3 : 301-318.
2. O.A. Aroyeun, T. F. Akinhanmi, T.A. Arowolo (2015), Occurrence and Concentration of Phthalate Esters in River Sediment Around Covenant Oxidation Ponds, Covenant University, Ota, Ogun State, International Journal of Environment and Sustainability.
3. O. Olujimi, O. Steiner, W. Goessler (2015), Pollution indexing and health risk assessments of trace elements in indoor dusts from classrooms, living rooms and offices in Ogun State, Nigeria, , Journal of African Earth Sciences, Volume 101, pp. 396-404.
4. A.M. Gbadebo, H. Ayedun, A.I. Moses (2015), Hydrogeochemical assessment of groundwater in Iwo, Ikonifin and Ife-Odan, Osun and Oyo states, Southwest Nigeria, Environmental Earth Sciences, Volume 73, Issue 7, pp. 3633-3642
5. H.M. Tairu, T.A. Kolawole, K.A. Adaramola, S.M. Oladejo, P.O. Oladokun and T.V. Bada (2015), Impact of human population and household latrines on groundwater contamination in Igboora Community, Ibarapa Central Local Government Area of Oyo South Western Nigeria, International Journal of Water Resources and Environmental Engineering, Vol.7(6), pp. 84-91.

FORESTRY AND WIDELIFE MANAGEMENT

1. I.O. Osunsina, A.O. Fagbeyiro (2015), Local community perception and attitude towards the non-utilization of natural resources in old Oyo National Park, Oyo State, Nigeria, Journal of Agriculture and Environment for International Development - JAEID, 109 (2): 291-306
2. J.A. Soaga, A.L.A. Shotuyo (2014), Economic Analysis of Bushmeat Trade In Abeokuta, Ogun State, Journal of Agricultural Science and Environment, Vol 14, No 1.
3. N.E. Otieno, A.S. Mutati, C. Akoth, D. Chesire, D.O. Ogwang (2014), Economic Valuation of Rice Crop Damage by Red-billed Quelea and Other Granivorous Birds on a Rural Irrigation Scheme in Western Kenya, Journal of Agriculture and Ecology Research International, 2394-1073, Vol.: 2, Issue.: 3
4. N. Emmanuel, E. Olugbogi, S. Onadeko (2014), Gastrointestinal helminths of resident wildlife at the Federal University of Agriculture Zoological Park, Abeokuta, Sokoto Journal of Veterinary Sciences, Volume 12 (Number 3).
5. B.O. Bolaji, M.A. Waheed, M.F. Adekunle (2015), Performance Evaluation of the Effect of Binder on Groundnut Shell Briquet, , KMUTNB Int J Appl Sci Technol, Vol.8, No.1, pp. 11-19.



6. M.O. Aduloju, O.A. Jaiyeola (2015), Organic carbon fractions and micronutrient status of soils under some plantation crops in southwestern Nigeria, Archives of Agronomy and Soil Science, Vol. 61, Issue 8, pp. 1089-1105.
7. A.L.A. Shotuyo, A.F. Akinyemi, J.A. Soaga (2015), Human-wildlife Conflict: A View on Red-Billed Quelea (Quelea quelea), International Journal of Molecular Evolution and Biodiversity, Vol. 5, No. 2 doi: 10.5376/ijmeb.

WATER RESOURCES MANAGEMENT AND AGROMETEROLOGY

1. E.E. Odjegba, O.A. Idowu, N.B. Ikenweiwe, O. Martins, A.Y. Sadeeq (2015), Public Perception of Potable Water Supply in Abeokuta South west, Nigeria - Journal of Applied Sciences and Environmental Management, Vol 19, No 1
2. G.C. Ufoegbune, O.A. Fadipe, N.J. Bello (2014), Growth and Development of Watermelon in Response to Seasonal Variation of Rainfall Journal Climatology & Weather Forecasting 2:117. doi:10.4172/2332-2594.1000117
3. O.A. Idowu, O.A. Sokunbi (2015), Prevalence of Malaria at Booking among Antenatal Clients in a Secondary Health Care Facility in Abeokuta, Nigeria, Clinics Mother Child Health, 12:2
4. S. A. Ganiyu, B. S. Badmus, O. A. Idowu, M. A. Oladunjoye (2015), 2D Electrical Resistivity Imaging Investigation of Open Dump Site in Basement Complex Formation. The African Review of Physics, 10:0033 243

AQUACULTURE AND FISHERIES MANAGEMENT

1. A.A. Ajayi, E.A. Onibokun, O.M. Atolagbe, F.O.A. George (2015), Characterization of Chitinase from the African Catfish, Clarias Gariepinus (Burchell, 1822. International Journal of Advances in Science Engineering And Technology, 3 (4). Pp. 88-95. ISSN: 2321-9009
2. W.O. Abdul, I.T. Omoniyi, E.O. Adekoya, O.S. Daniel (2015), Some stock parameters of Elops lacerta during estuarine phase of life history, Ife Journal of Science. ISSN: 0794-4896
3. E.E. Odjegba, O.A. Idowu, N.B. Ikenweiwe (2015), Public Perception of Potable Water Supply in Abeokuta South west, Nigeria Journal of Applied Sciences and Environmental Management. ISSN: 1119-8362
4. F.I. Adeosun, A.A. Akinyemi, A.A. Idowu, I.O. Taiwo, A. Omoike, B.J.O. Ayorinde (2015), The effects of heavy metals concentration on some commercial fish in Ogun River, Opeji, Ogun State, Nigeria; African Journal of Environmental Science and Technology - Vol 9, No 4.
5. O.J. Olaoye, A. A. Akinyemi, (2015), Micro-Organisms Associated with Smoked Prawn (Macrobranchium Spp.) In Selected Market Locations In Abeokuta Metropolis of Ogun, , Journal of Agricultural Science and Environment, Vol. 14 No. 1
6. S. A. Tiamiyu, O.J. Olaoye (2015), Benefits derived from National Fadama Development Project II by fish farmers in Lagos State, Nigeria, International Journal of Fisheries and Aquaculture Vol.7(4), pp. 54-61.

